

حمل الآن

مجاناً وحصرياً

المراجعة رقم (1)

الترم الاول



Lesson 1

» Computer Networks:

They are groups of computer devices that are connected to each other to communicate and share information.

» Network devices:

① Modem:

- It connects the Internet in your home.

Signal From the ISP → Modem → Digital Signal →

② Switches:

- They send data to a specific device over a network, which helps make connections easier and faster (intelligent devices).

③ Router:

- ① It is a device that provides the Internet throughout the home.
- ② It sends data between home devices.
- ③ It connects devices using wires or wirelessly, using Wi-Fi.



④ Cables and Ports:

- Some devices connect to the Internet through wires (Ethernet cables).
- These wires are plugged into holes, called ports.

⑤ Local Area Network (LAN)

- A LAN, which connects devices via cables, is a type of wired network.
- **Example:** A school computer lab

» Types of Networks:

- ① Wired networks: They use physical wiring cables that plug into ports.
- ② Wireless networks: They connect devices without wiring through a wireless or Wi-Fi.

» Artificial Intelligence (AI):

It is a comprehensive term for computer applications that perform complex tasks simulating the thinking and performance of the human element, such as the ability to learn and reason.

» Applications of AI:

- ① The ability to learn and deduce.
- ② Write an article on a topic.
- ③ Imitate sounds.
- ④ Create videos.
- ⑤ Predict the faults that may occur in networks.

Lesson 2

» Augmented Reality (AR) combines the real world with a virtual world by displaying 3D models that look like the real world.

- **Example of AR:** Phone games that place cartoon characters in the real places around you.

» Virtual Reality (VR): It is a virtual 3D environment that allows users to explore and interact with the surroundings as if it were reality.

» To experience VR, users often wear a VR headset that blocks out the real world and provides immersive views



» Applications of VR:

- ① You can visit far **museums** virtually.
- ② You can play video games that make you feel like flying a plane or traveling in space.

» Artificial Intelligence (AI): It is the ability of the computer to **think**, **learn**, and **deduce**.

» Examples of AI:

- ① It predicts the word you will write from the words you have written previously.
- ② AI is used to **unlock** your phone with **facial recognition**.
- ③ Robots that can manufacture products in factories.



Lesson 3

» Goals of **assistive technology** is to:

- ① Improve independence of individuals.
- ② Improve the lives of people of determination.

» Examples:

- ① Smartphones enlarge text or use voice commands for people with poor vision or hand difficulty.
- ② Laptops with a **Braille terminal** help blind people read and write.

» **User Experience:** It describes how people use and interact with a product, and how to evaluate their experiences. It may be positive or negative.

» **Factors to evaluate a user experience, it can be:**

- | | |
|---------------------------|--------------|
| ① Useful and easy to use. | ② Desirable. |
| ③ Accessible. | ④ Developed. |

Lesson 4

① **The Egyptian Knowledge Bank (EKB):**

- It's a very large public database.

② **Internet Search:**

- Such as Google search.
- Be careful; it may give unreliable information.

③ **Searching Within a Database:**

- You can use keywords in your search.

④ **The Alexandria Library Catalog:**

- It helps you find books and resources available in the Library of Alexandria.

» **Library Catalog:** It is a database that includes all the items owned by a library.



Database

It contains a lot of information, like a very organized library, where each place of information has a specific place that makes it easy to access.

- قاعدة البيانات: تحتوي على الكثير من المعلومات، مثل مكتبة كبيرة ومنظمة؛ حيث يكون لكل معلومة مكان محدد يجعل الوصول إليها سهلاً.

Command	Shortcut	Function
Copy	Ctrl + C	• It's used to make a copy of the selected item. • Select item → Press Ctrl + C
Cut	Ctrl + X	• It's used to move the selected item from its original place. • Select item → Press Ctrl + X
Paste	Ctrl + V	• It's used to place the copied or cut item in a new place. • After copying or cutting → Press Ctrl + V

Lesson 5

» **Operating System (OS):** It is the software that manages a computer's functions, hardware, and software.

Microsoft Windows	macOS
• It's one of the most popular worldwide. • It uses closed-source software.	 macOS • It runs on Apple computers, such as MacBook and iMac.

» **Mobile Operating Systems:**

The **most popular** mobile OSs are **Android** and **Apple iOS**.

Android	Apple iOS
It's the most popular operating system for mobile devices, used by many phone companies.	• It runs on iPhone and iPad. • It is very safe and uses closed-source software.

- » **Open-source Software:** It means a person can change and read the programming code.
- » **Closed-source Software:** No one can see its code or modify it, except the owner.
- » **Advanced Operating Systems:**
 - ① The Robot Operating System (ROS)
 - ② Self-driving Cars Operating Systems

Lesson 6

- » Hyper Text Markup Language (**HTML**) is the standard programming language used to create web pages.

HTML Tag	Usage
<html>	• It's the <u>main tag</u> in the page. • It defines the start and the end of the HTML page.
<head>	• It contains important information about the pages that <u>do not appear</u> to the user, such as the page title in the browsing bar.
<title>	• It defines the page title shown on the browser tab.
<body>	• It contains all the content that will appear on the page, such as the text and images.
<h1> <h1>	• It contains the largest heading.

<code><h2> </h2></code>	• It contains the subheading.
<code><h6> </h6></code>	• It contains the smallest heading.
<code><p> </p></code>	• It's used to write a paragraph of a text.
<code><i> </i></code>	• It's used to make a text <i>italic</i> .
<code> </code>	• It's used to make a text bold .
<code></code>	• It's used to insert an image.

»» When you finish writing the HTML code:

- Save the HTML file with the extension ".html".

»» **HTML tags** have **three** main parts: an opening tag, the content, and a closing tag.

»» Most tags have an opening tag and a closing tag.

Model Exam

1

1 Choose the correct answer:

- ① To save an HTML file, the file name should end with the extension
 a. .txt b. .doc c. .html d. .pdf
- ② The HTML is mainly used to create
 a. tables b. presentations c. documents d. web pages
- ③ can send data to a specific device over a network, which helps to make connections easier and faster. (الإسكندرية - وسط 2025)
 a. Wi-Fi b. Routers c. Switches d. Networks
- ④ A LAN is considered a group of computers connected together with cables from the network.
 a. wired b. wireless c. wide range d. Wi-Fi
- ⑤ The technology combines the real world with the virtual one. (أبناؤنا في الخارج 2025)
 a. augmented reality b. router
 c. Bluetooth d. assistive technology

2 Put (✓) or (x):

- ① Computers connect to the Internet using Wi-Fi. ()
 (الجيزة - العمرانية 2025)
- ② Every tag in HTML must have a closing tag. ()
- ③ Self-driving cars don't need an operating system to perform. ()
- ④ The Internet service provider is known by the abbreviation ISP. ()
 (القاهرة - الزيتون 2025)
- ⑤ The operating system manages software only. ()

3 Complete the following sentences using the words between the brackets:

(database - Virtual reality - Ctrl + C - AR - Wi-Fi)

- 1 combines the real world with a virtual world by adding images using smartphones. (الدقهلية 2025)
- 2 Headsets are used to interact with technology. (الجيزة - 6 أكتوبر 2025)
- 3 A is a collection of information that are typically stored in a computer system. (الدقهلية 2025)
- 4 Wireless networks are connected using (الجيزة - 6 أكتوبر 2025)
- 5 is a shortcut to copy a text or an image.

Model Exam

2

1 Choose the correct answer:

- 1 A sends data to a specific device over a network. (الدقهلية 2024)
a. modem b. switch c. server d. none of them
- 2 Apple computers run on the operating system.
a. Windows b. Android
c. macOS d. ROS (المنوفية - شبين الكوم 2025)
- 3 A is a device that distributes the Internet everywhere in the house, either through cables or via Wi-Fi.
a. ISP b. LAN c. router d. switch
- 4 To experience virtual reality, users often wear
a. 3D glasses b. VR headsets c. AR headsets d. none of them
- 5 The tag is used to add paragraphs on a web page. (الجيزة - جنوب الجيزة 2025)
a. <a> b. <h1> </h1> c. <p> </p> d. none of them

2 Put (✓) or (X):

- 1 Futuristic technologies can't improve the lives of people of determination. (الإسكندرية - المنتزه أول 2025) ()
- 2 HTML is used to design web pages. (قنا - نجع حمادي 2025) ()
- 3 is a tag used to write a bold text in the web page. (الإسكندرية - شرق 2024) ()
- 4 Technology helps improve the independence of people with special needs. ()
- 5 A computer network is a group of connected devices that is used for sharing information. ()

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 macOS	a. is used to insert a picture or an image onto the web page.
2 <head>	b. are how people use and interact with a product.
3 	c. contains information that does not appear to the user on the web page.
4 User experiences	d. is an operating system for Apple computers.
5 Future technology	e. includes artificial intelligence, augmented reality, and virtual reality.

1 2 3 4 5

Model Exam

3

1 Choose the correct answer:

- 1 Robots that can make things inside factories are considered part of the technology.
 - a. virtual reality
 - b. assistive technology
 - c. artificial intelligence
 - d. augmented reality.
- 2 The HTML tag `<p>....</p>` refers to (الجيزة - الشيخ زايد 2024)
 - a. the largest heading
 - b. the subheading
 - c. the font color
 - d. creating a paragraph
- 3 Wired networks use wires and cables that are connected to openings in devices, called (أسبوط 2024)
 - a. switches
 - b. servers
 - c. ports
 - d. routers
- 4 To convert the signal from the ISP to a digital signal, we need to use (القاهرة - غمرة 2025)
 - a. Wi-Fi
 - b. ports
 - c. a modem
 - d. switches
- 5 When searching in any database, it is preferable to use (أسبوط 2024)
 - a. full sentences
 - b. keywords
 - c. symbols and numbers
 - d. none of them

2 Put (✓) or (x):

- 1 An operating system is the software that controls all the computer functions. (القاهرة - الزيتون 2025) ()
- 2 Virtual reality shows 3D models in the real world. ()
- 3 In HTML, the `<body>` tag contains information that is not visible to the user. ()
- 4 Android is closed source; it can't be seen or changed by the public. (البحيرة - دمنهور 2024) ()
- 5 The Egyptian Knowledge Bank (EKB) is an example of a public database. (القاهرة - الزيتون 2025) (الجيزة - جنوب الجيزة 2025) (القاهرة - غمرة 2025) ()

3 Complete the following sentences using the words between the brackets:

(Advanced technology – library catalog – Artificial intelligence – Assistive technology – Switches)

- helps people of determination, such as Braille terminal. (الإسماعيلية 2024)
- send data to a specific device.
- A is a database that includes all the items owned by a library. (الجيزة – 6 أكتوبر 2025)
- is used to unlock your phone with facial recognition. (بورسعيد 2025)
- includes AI, AR, and VR.

Model Exam

4

1 Choose the correct answer:

- Augmented reality combines the real world with a/an world. (الغربية 2024)
a. virtual b. AI c. actual d. none of them
- help in sending data to a specific device via a network easily.
a. Switches b. Hubs c. Modems d. Cables
- To write the largest heading on a web page, we use the tag
a. <h1> </h1> b. <h6> </h6>
c. d. (الجيزة – الدقي 2025)
- When conducting a digital search, make sure the information you get is
a. reliable b. accurate c. unreliable d. both a and b
- The HTML language consists of three main parts, and there is a at the beginning and the end. (أبناؤنا في الخارج 2024)
a. paragraph b. word c. drawing d. tag

2 Put (✓) or (X):

- 1 The router helps in sending data between devices at home. (القاهرة الجديدة 2024) ()
- 2 Artificial Intelligence (AI) can learn and think like people. ()
- 3 To write the biggest heading in the web page, the `<h1> </h1>` tag is used. (القاهرة - الزيتون 2025) ()
- 4 Artificial Intelligence (AI) is the ability of a computer to think, learn, and deduce. (الإسكندرية - برج العرب 2024) ()
- 5 You can press Ctrl + C to move a text or an image to another place. ()

3 Complete the following sentences using the words between the brackets:

(assistive technology - Augmented reality - library catalog - Artificial intelligence - HTML)

- 1 One of the goals of is to meet the needs of people with disabilities. (الجيزة - 6 أكتوبر 2025)
- 2 is the ability of a machine to think and learn.
- 3 A is a database that includes all the items owned by a library.
- 4 shows a 3D model of what looks like the real world.
- 5 is an abbreviation of Hyper Text Markup Language. (الإسماعيلية 2024)

Model Exam

5

1 Choose the correct answer:

- 1 works to imitates sounds when provided with the tone of voice of an actual human. (الإسكندرية - المنزه أول 2025)

a. Artificial intelligence	b. Virtual reality
c. Augmented reality	d. None of them
- 2 A network that is connected without wiring is called (الإسكندرية - شرق 2024)

a. physical wiring	b. wireless	c. port	d. cable
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- 3 is a tag used to make the font bold on a web page.
 a. < h1> b. < p> (الإسكندرية - شرق 2025)
 c. < font size> d. < strong>
- 4 is a technology that improves the lives of people of determination.
 a. Assistive technology b. Old technology
 c. Traditional technology d. Complex technology
- 5 A connects devices with physical wiring and cables. (القليوبية 2024)
 a. wireless network b. wired network c. network d. port

2 Put (✓) or (X):

- 1 Android is an example of a closed-source operating system. ()
- 2 Artificial intelligence can be used to improve our daily lives. ()
- 3 Networks are groups of devices or things that are connected to each other for a common purpose. (البجيزة - جنوب البجيزة 2025) ()
- 4 Artificial intelligence cannot predict network failures before they occur. (أسوان 2024) ()
- 5 The iOS uses closed-source software. (الإسكندرية - المنتزه ثان 2024) ()

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 EKB	a. is used to create the smallest subheading in HTML.
2 <h1>	b. is an open-source operating system for mobile devices.
3 Android	c. is an example of a public database.
4 Search engines	d. are used to search on the Internet using keywords.
5 <h6>	e. is used to create the largest heading in HTML.

- 1 2 3 4 5

Summary

Unit

2

Digital Safety and Security
Precautions

Lesson 1



» Disadvantages of online games:

① Physical dangers:

- ① Back and neck problems
- ③ weight gain

- ② Eye dryness and blurry vision

② Psychological dangers:

- ① Bullying: don't respond and inform your family.
- ② Gaming addictions may cause aggressive feelings. This negatively affects your study, sleep and family and friends time.

③ Security dangers:

- ① Chatting with strangers.
- ② Sharing personal information.
- ③ Clicking unknown links; these links may lead to stealing your personal information or spreading viruses.

» Responsible Gaming Practices:

To avoid physical dangers:

- ① Take breaks from the screen.
- ② Stay active and exercise.

To avoid psychological dangers:

- ① Set fixed play times.
- ② Don't use games to escape problems.

To avoid security dangers:

- ① Don't share your personal info online.
- ② Play only with people you know.
- ③ Use privacy settings.

Lesson 2

» Passwords:

- Use at least **eight** random characters of letters, numbers, and symbols.
- Secure passwords must be difficult to guess.



» Multi-Factor Authentication (MFA):

- It requires at least **two** ways to identify yourself.

» Fingerprint Authentication:

- It scans your finger for confirmation.

» Facial Recognition:

- It uses your device's camera to recognize your face.

» Full Encryption:

- It protects your information.

» If your data is exposed to risk:

- 1 Inform your parents or a trusted person.
- 2 Report data theft to the responsible authorities.



Lesson 3

» **Cybersecurity:** is the protection of our devices and our personal information from any danger on the Internet such as hackers or viruses.

» **Online Safety Precautions:**

Use Strong Passwords:

- 1 Create a strong password that's hard to guess.
- 2 Change it every 3 months.

Safe Sharing:

- 1 Don't share personal info online.
- 2 Avoid posting photos, phone numbers, addresses, or school names.
- 3 Share positive ideas, drawings, or hobbies instead.

Dealing with Strangers:

- 1 Don't communicate with people you don't know.
- 2 Avoid anyone who makes you feel uncomfortable.

Security Software:

- 1 Use anti-virus software.
- 2 Use secure web browsers.

» Types of Cybersecurity Threats:

① Malware:

- ① **Problem:** Fake messages claiming your device has a virus and asking you to click a link.
- ② **Solution:** Ignore the message, don't click the link, and verify the source.

② Spoofing:

- ① **Problem:** Fake requests from companies or famous people asking for personal information.
- ② **Solution:** Never share personal info to avoid theft or money loss.

Lesson 4

» **Intellectual Property Right:** It protects new and creative works like inventing a game, writing a story, painting a picture.

» Copyright:

- ① It's a part of the intellectual property right.
- ② It protects artistic and literary works, such as songs, movies, and books.
- ③ It encourages creators to produce more.

» **Creative Commons:** Works that have been granted permission to share.

» Stock Exchange:

- It's a market for buying and selling **company stocks** (shares).

» **Stocks (shares):** They are a small part of a company's ownership.

» E-Trading:

- ① In the past, people had to visit the stock exchange to buy and sell shares.
- ② Now, special Internet apps allow trading from anywhere.

» How E-Trading Helps in Financial Consultation:

- ① Online apps provide financial guidance and services.
- ② Robo-advisors are Internet applications that give financial advice.



»» Functions of Robo-advisors:

- ① They analyze thousands of company news in seconds.
- ② They provide simple advice based on the information.
- ③ They do not make decisions for the person; they only give advice to help them decide.

Lesson 5

»» Cloud Computing:

- ① It's large online storage for data and programs.
- ② It stores photos, work, games, and files.
- ③ You can access files anytime, anywhere, from any device.
- ④ You can share files easily with others.
- ⑤ It keeps important files safe from loss or damage.



»» Advantages:

- ① Never lose files.
- ② Easy sharing.
- ③ Saving space.
- ④ Easy access.
- ⑤ Data encryption.

»» Disadvantages:

- ① Requires Internet.
- ② Security risks.
- ③ Additional cost.

»» Examples of Cloud Computing Service Providers:

- ① **Google Drive:** It's a popular service for storing and accessing files from anywhere.
- ② **OneDrive:** It's a Microsoft's service, similar to Google Drive.
- ③ **Dropbox:** It's a cloud storage application by the Dropbox company.

Lesson 6

» Sharing Via Cloud:

- You can send photos or files to your friends in other countries using cloud apps like WhatsApp.
- Cloud storage is safer than traditional device storage.



» Microsoft 365:

- It's an important cloud-based suite with apps like:

① Teams	② Word	③ Excel
④ PowerPoint	⑤ Outlook	⑥ OneDrive

» OneDrive:

- It's a cloud storage app for **storing**, **sharing**, and **accessing** files from any device with the Internet.
- It is safer and more practical than traditional storage limited to your device.

» How to upload files or folders to OneDrive:

- ① Open the **OneDrive** app or website.
- ② Click the "Upload" or "Add" button.
- ③ Select the file or folder to save in the Cloud.
- ④ Wait for the **uploads** to complete.
- ⑤ Look for the confirmation sign that the file is saved.
- ⑥ Access the file from any device using your **OneDrive** account.



Model Exam

1

1 Choose the correct answer:

- Sitting in the wrong position while playing games for a long time may cause problems.
a. neck b. back c. arms d. both a and b
- Electronic games can cause and headaches.
a. hand strain b. arms pain
c. blurry vision d. none of them (الجيزة – العمرانية 2025)
- Cloud computing helps save a lot of on your device.
a. money b. time c. space d. energy
- Protecting devices and data from viruses and hackers is called
a. cybersecurity b. data privacy
c. cloud storage d. traditional storage
- is the protection of devices and personal information from electronic attacks.
a. Cybersecurity b. Malware c. Scareware d. Spoofing (الإسكندرية – المنتزه أول 2024)
- Providing a backup for your files is
a. one of the advantages of cloud computing
b. one of the disadvantages of cloud computing
c. both a and b d. none of them (السويس 2024)
- is a program that helps you create a presentation and share it with your colleagues.
a. Microsoft Outlook b. Microsoft PowerPoint
c. Microsoft Excel d. Microsoft Word (ابن ناوا في الخارج 2025)

2 Put (✓) or (X):

- Playing games for long hours can increase your weight. ()
- Multi-factor authentication is more secure than passwords only. ()

- 3 Cloud files can be accessed without Internet. ()
- 4 Taking breaks protects you from gaming risks. ()
- 5 Sharing your hobbies or ideas online is safe. ()
- 6 Creative Commons always requires permission to share. ()
- 7 Cloud computing adds security through data encryption. ()
- 8 Copyrights protect books, songs, and art. ()

Model Exam

2

1 Choose the correct answer:

- 1 Through, you can legally protect your invention or ideas.
 a. digital footprint b. piracy (أبناؤنا في الخارج 2024)
 c. scanner d. intellectual property
- 2 is a security risk of electronic games.
 a. Sharing personal data b. Clicking on unknown links
 c. Eye dryness d. Both a and b
- 3 scans your face using the device's camera to confirm your identity.
 a. Fingerprint authentication b. Facial recognition (القاهرة الجديدة 2024)
 c. Full encryption d. MFA
- 4 OneDrive is NOT used for
 a. storing files b. sharing files
 c. printing documents d. accessing files
- 5 Files in the cloud will never be even if your device breaks.
 a. shared b. updated c. lost d. found
- 6 Services such as OneDrive and Google Drive are examples of
 a. Google services b. cloud computing
 c. Windows d. drives (الإسكندرية - وسط 2025)
- 7 Microsoft 365 provides a set of productivity applications such as
 a. HTML b. Microsoft Teams
 c. Internet d. viruses (المنوفية - شبين الكوم 2025)

2 Put (✓) or (X):

- 1 Google is a cloud computing service provider. (الدقهلية 2025) ()
- 2 Use the anti-virus software to do a sweep of your computer and remove any viruses. (الجيزة - الدقي 2025) ()
- 3 Spoofing is pretending to be someone famous online to steal data. ()
- 4 MFA confirm your identity using only one method. (الإسكندرية - العجى 2025) ()
- 5 Playing too often (too much) can enhance your sleep. (الجيزة - الدقي 2025) ()
- 6 Cloud computing provides an extra layer of security by offering data encryption. (القاهرة - مصر القديمة 2025) ()
- 7 Copyright includes written material only. (دمياط 2024) ()
- 8 Cloud files remain safe even if your device is lost. ()

Model Exam

3

1 Choose the correct answer:

- 1 Intellectual property rights protect your
a. stories b. drawings c. inventions d. all of them
- 2 A fake domain pretending to be a business or an email account that has the name of a trusted service is an example of
a. anti-virus b. scareware c. spoofing d. malware
(الإسكندرية - وسط 2024)
- 3 allows you to store, share, and access files from any device.
a. HTML language b. An operating system
c. OneDrive d. Both a and b

(الإسكندرية - العجى 2025) (جنوب الجيزة 2025)

- 4 In e-trading, read the news very fast and give advices.
a. robo-advisors b. sales c. humans d. traditional
- 5 includes written, visual, audio, video, and web materials.
a. Malware b. Electronic financial trading
c. Copyright d. Programming language
- (الجيزة - العمرانية 2025) (الجيزة - 6 أكتوبر 2025) (الدقهلية 2025)
- 6 In stock exchange, stocks are called
a. spoofing b. shares c. parts d. malware
- 7 is/are online applications that provide financial guidance and services.
a. Egyptian Knowledge Bank b. Robo-advisors
c. Copyrights d. Financial brokers
- (الإسكندرية - المنزه ثان 2025) (الإسكندرية - شرق 2025)
- 8 If you are exposed to a cyber security threat, you should
it to a trusted adult.
a. accept b. report c. ignore d. delete
- (القاهرة الجديدة 2024)

2 Put (✓) or (X):

- 1 The stock exchange is defined as a knowledge bank where members exchange their ideas. (بورسعيد 2025) ()
- 2 A cloud is like a big storage room online. ()
- 3 Gaming addiction may lead to aggressive feelings. ()
- 4 Robo-advisors are online applications that provide financial guidance and services. (القاهرة - بهيم 2024) ()
- 5 Strong passwords contain at least eight characters. (الجيزة - حدائق أكتوبر 2025) ()
- 6 Malware is known as a type of friendly software. (الجيزة - 6 أكتوبر 2025) ()
- 7 Multi-factor authentication requires only one method to identify yourself. ()

Model Exam

4

1 Choose the correct answer:

- 1 Some electronic games may cause aggressive feelings, and this is considered one of the dangers.

a. physical	b. environmental
c. psychological	d. security

 (الإسكندرية - المنقذ ثان 2025)
- 2 Traditional storage saves files only on

a. your device	b. OneDrive
c. the server	d. an external drive
- 3 is a market where buyers and sellers deal in units of company stocks called shares.

a. Stock exchange	b. A broker
c. A player	d. A market

 (الإسكندرية - وسط 2024)
- 4 allow investors to make trades on their own through websites or applications.

a. Brokers	b. E-Trading
c. Robo-advisors	d. none of them

 (العبور 2025)
- 5 One of the steps that help you face cyber threats is (أبناؤنا في الخارج 2025)

a. using incredible applications
b. not updating security settings
c. using strong anti-virus software
d. not updating the programs regularly
- 6 Through, you can carry out deals from anywhere in the world.

a. digital footprint	b. spam
c. piracy	d. electronic financial trading

 (أبناؤنا في الخارج 2025)
- 7 A phone photo saved to can later be found on your computer.

a. a flash drive	b. a friend's device
c. the cloud	d. an external drive

2 Put (✓) or (✗):

- 1 It's a good idea to change all your passwords every three months. (الجيزة - العجوزة 2024) ()
 - 2 In stock exchange, these stocks are called shares. ()
 - 3 Psychological dangers include back problems because you stay hunched over while playing. (الإسكندرية - وسط 2025) ()
 - 4 Sharing personal information online is risky. ()
 - 5 Cloud storage is one of the cloud computing services. (المنيا 2024) ()
 - 6 Gaining weight is one of the electronic games advantages. (كفر الشيخ - دسوق 2024) ()
 - 7 OneDrive can't help you share work with your friends. (القاهرة - المرج 2025) ()
 - 8 MFA requires at least two ways of identifying yourself. ()
- (الإسكندرية - برج العرب 2024)

Model Exam

5

1 Choose the correct answer:

- 1 If someone bullies you in online gaming, you should

a. not respond	b. inform your family
c. bully them	d. both a and b
- 2 You should not share your because others can access your address, email, and phone number.

a. games	b. news
c. personal information	d. jokes
- 3 refers to works that have been granted permission to share by the creator.

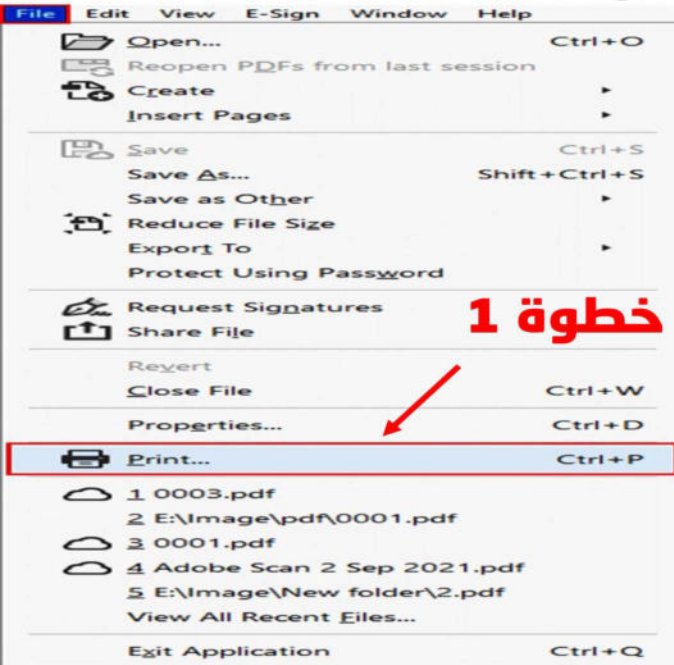
a. Creative Commons	b. Copyright
c. Financial trading	d. Hacking

- 4 is/are from the disadvantages of cloud computing.
- Requiring an Internet connection
 - The need to pay for extra storage space
 - Both a and b
 - None of them
- (القليوبية - بنها 2024)
- 5 To avoid security dangers of electronic games, you should
- share your personal information
 - play with unknown people
 - use privacy settings
 - take a break
- 6 The authentication type that scans your finger as a way of confirming its you is
- face recognition
 - MFA
 - fingerprint
 - self-access
- (الإسكندرية - وسط 2024)
- 7 The technology used to unlock your phone using facial recognition is
- assistive technology
 - artificial intelligence
 - virtual reality
 - port
- (القاهرة - غمرة 2025)

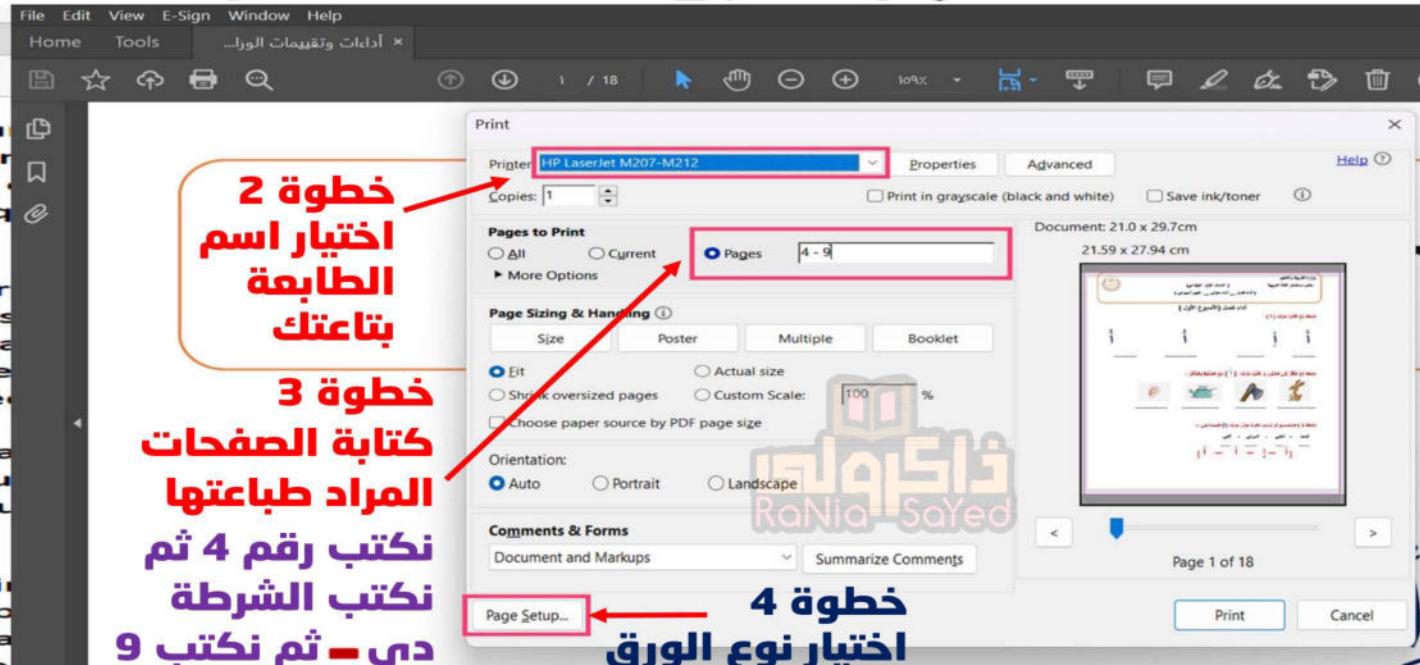
2 Put (✓) or (X):

- Your parents shouldn't participate in choosing the games. ()
- A cloud can save schoolwork, photos, and games. ()
- Games should be used to escape from problems. ()
- Clicking on unknown links may spread viruses. ()
- Online games can't impact your health. (الأزهر الشريف 2024) ()
- OneDrive is one of Google apps. ()
- Creative Commons always requires permission to share. ()
- Full encryption works on protecting your information so you're the only one who will have access to it. (القاهرة - الزيتون 2025) ()

كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



خطوة 1



خطوة 2
اختيار اسم
الطابعة
بتاعتك

خطوة 3
كتابة الصفحات
المراد طباعتها
نكتب رقم 4 ثم
نكتب الشرطة
دي - ثم نكتب 9

خطوة 4
اختيار نوع الورق



خطوة 5
اختيار A4



خطوة 6

حمل الآن

مجاناً وحصرياً

المراجعة رقم (2)

الترم الاول





First term Questions Bank



Question 01

choose the correct Answer

- 1 The wireless networks are connected using
 (a) Ports (b) Modem (c) Wi-Fi
- 2 are groups of devices or things that are connected to each other for a common purpose.
 (a) Explorers (b) Networks (c) Keyboard
- 3 converts the signal from the internet service provider (ISP) into a digital signal.
 (a) Port (b) Modem (c) Switch
- 4 performs complex tasks that simulate the thinking and performance of the human element.
 (a) VR (b) AI (c) AR
- 5 is intelligent device sends data to a specific device over a network.
 (a) Modem (b) Switch (c) Hub
- 6 is a device that connects a local area network (LAN) to the internet.
 (a) Modem (b) Laptop (c) Server
- 7 is a technology that help imitate the sound of an actual human being.
 (a) Bluetooth (b) Assistive technology (c) Artificial Intelligence
- 9 LAN is considered as a group of computers connected together with cables from the network.
 (a) Wired (b) Wireless (c) Wi-Fi
- 10 combines the real world with a virtual world by adding images using computers.
 (a) Augmented reality (b) Virtual Reality (c) Assistive technology
- 11 virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality.
 (a) RV (b) AR (c) VR



- 12 VR Users often wear a that blocks out the real world and provides views that immerse the user in another world.
 (a) headphone (b) smartgloves (c) VR headset
- 13 The cables and wires in wired networks are plugged into holes are called
 (a) Ports (b) Wi-Fi (c) Switches
- 14 can take you a museum thousands of miles away, or to a historical site hundreds of years ago.
 (a) Augmented reality (b) Virtual reality (c) Assistive technology
- 15 Students in a math class can point their smartphone camera at a flat surface and project a 3-D model onto the surface, this is an example of
 (a) Augmented reality (b) virtual Reality (c) assistive technology
- 16 is a technology that helps to make interactive and memorable learning
 (a) Digital footprint (b) Augmented reality (c) Modem
- 17 is the ability of the computer to think, learn and deduce.
 (a) AI (b) VR (c) AR
- 18 Visually impaired people can use to see their family members up close.
 (a) augmented reality (b) glasses (c) virtual reality
- 19 predicts the word you will write from words you have written previously.
 (a) VR (b) AI (c) AR
- 20 shows you how new furniture will look in your house.
 (a) Virtual Reality (b) Augmented reality (c) assistive technology
- 21 is a technology used for unlock your phone using facial recognition
 (a) Artificial Intelligence (b) Assistive technology (c) Virtual reality
- 22 technology is the latest and most advanced version of a service or product.
 (a) Virtual (b) Cutting-edge (c) Assistive
- 23 helps people of determination, for example, screen magnification software and hearing aids.
 (a) Vertual reality (b) Cutting-edge technology (c) Assistive technology



- 24 Smart gloves that empower deaf people to translate their signs in real time to spoken or text output considered
- (a) augmented reality (b) assistive technology (c) virtual reality
- 25 Artificial intelligence, augmented reality, and virtual reality are examples of
- (a) search engines (b) cutting-edge technology (c) assistive technology
- 26 empower deaf people to translate their sign in real time to spoken or text output.
- (a) Hearing aids (b) Screen magnification (c) Smartgloves
- 27 Screen magnification software, hearing aids, and programs that turn speech to text and text to speech are examples of
- (a) augmented reality (b) virtual reality (c) assistive technology
- 28 describes how to use the product and interact with it.
- (a) User experience (b) Virtual reality (c) Stock exchange
- 29 If the product is credible and the company is trustworthy, the user experience will be
- (a) positive (b) negative (c) neutral
- 30 helps people with visual impaired (poor vision) to read.
- (a) Printer (b) Prosthetic legs (c) Scanning and reading device
- 31 The user experience will be negative, if the product is
- (a) desirable (b) credible (c) unusable
- 32 is a technology that helps people of determinations to enlargement (zoom) screen, hearing aids, and convert speech to text and text to speech.
- (a) Assistive technology (b) Traditional technology (c) Piracy
- 33 is from the elements to evaluate a good product.
- (a) High cost (b) Bad manufacturing (c) Ability to find solution (findable)
- 34 is from the points to be considered when buying a good product.
- (a) Manufacturing country (b) Difficult usability (c) Usability (usable)



- 35 can help people to search internet websites based on the keywords and phrases.
 (a) Search engines (b) Articles (c) Books
- 36 A library catalog is a which includes all items owned by the library.
 (a) software (b) search engine (c) database
- 37 are collections of information which are typically stored in a computer system and can be accessed, for free through a school or library.
 (a) Search engines (b) Databases (c) Google chrome
- 38 The is an example of a general database which covers many subjects.
 (a) Facebook (b) Twitter (c) EKB
- 39 You can search for information from magazines and newspapers through the on the computer in school library.
 (a) magazine catalogs (b) databases (c) social media
- 40 The EKB results are credible and
 (a) untrusted (b) narrow (c) accurate
- 41 is a database that contain all the sources and items owned by a library.
 (a) Paint program (b) library catalog (c) Search engine
- 42 To get useful search results and to narrow your search you can search by
 (a) author name (b) title of the journal (c) both of them
- 43 is used for managing computer's functions.
 (a) Operating system (b) E-readers (c) Google chrome
- 44 computers run on macOS.
 (a) Microsoft (b) Ipad (c) Apple
- 47 from the most popular mobile Oss.
 (a) Android (b) MacOS (c) Windows
- 48 is a technology that aim to meet the needs of people of determination.
 (a) Assistive technology (b) Traditional technology (c) Fingerprint



- 49 uses open-source software.
 (a) Apple iOS (b) Android (c) Both (a) and (b)
- 50 The programmers are using language to create webpages.
 (a) Automative (b) MacOS (c) HTML
- 51 Apple iOS is software
 (a) open-source (b) closed-source (c) both (a) and (b)
- 52 refers to instructions to a computer that are given in code.
 (a) ROS (b) Programming Language (c) IOS
- 53 is an operating system, and it's open-source program to build robot applications.
 (a) ROS (b) IOS (c) Android
- 54 from examples of cutting _edge operating systems.
 (a) ROS (b) Self- driving cars (c) Both (a) and (b)
- 55 is the standard programming language used to create web pages.
 (a) Python (b) HTML (c) OSs
- 56 HTML describes the structure of a web page and consists of a series of elements such as headings, paragraph and
 (a) images (b) links (c) both (a) and (b)
- 57 HTML tags consist of an opening tag, a closing tag and
 (a) comments (b) the content (c) attributes
- 58 The HTML tag <p>....</p> refers to
 (a) largest heading (b) subheading (c) create a paragraph
- 59 The tag is used to create the largest heading in HTML
 (a) <L1>....</L1> (b) <h1>.....</h1> (c) <h6>.....</h6>
- 60 The HTML tag <h2>.....</h2> refers to
 (a) largest heading (b) subheading (c) Smaller subheading
- 61 The function of <i>... </i> tag is
 (a) italicize a text (b) make text bold (c) change font color



- 62 Large headings are placed at the of the web page to catch the attention.
 (a) middle (b) bottom (c) top
- 63 HTML tags have main parts.
 (a) Two (b) three (c) four
- 64 read HTML documents and display the content according to the HTML tags.
 (a) Web browsers (b) Web servers (c) E-readers
- 65 To make the text bold in HTML, you can use tag.
 (a) <p> (b) (c) <s>
- 66 One of the following tags is true.....
 (a) </i> ... </i> (b) <a> ... (c) <h1> ... </h1>
- 67 The href attribute is used with <a> tag to create a/an in HTML.
 (a) image (b) hyperlink (c) paragraph
- 68 Adding to the web page, attracts attention and triggers different emotions.
 (a) images (b) smallest heading (c) database
- 69 The HTML tag <h6>.....</h6> refers to.....
 (a) largest heading (b) subheading (c) Smaller subheading
- 70 The abbreviation of Hyper Text Markup Language is
 (a) HTML (b) HTLM (c) THML
- 71 From advantages of electronic games encouraging
 (a) cyberbullies (b) teamwork (c) violence
- 72 Electronic games can help promote
 (a) Critical thinking (b) creative thinking (c) both a and b
- 73 Playing electronic games too much can affect your cycle.
 (a) life (b) sleep (c) energy
- 74 Some electronic games promote violence to some and this is considered as dangers.
 (a) physical (b) psychological (c) Security



- 75 Electronic games, can be a lot of fun, but there can be problems playing these games like
- (a) cyber bullying (b) critical thinking (c) having fun
- 76 is from the security dangers of electronic games.
- (a) Eye strain (b) Anxiety and depression (c) Allow unknown people to access your name and e-mail
- 77 Hackers can steal your information, and can easily spread.
- (a) viruses (b) books (c) images
- 78 One of the physical dangers of electronic games is.....
- (a) feeling lonely (b) stealing data (c) straining your eyes
- 79 can cause your information to be leaked, and viruses are easily spread.
- (a) Friends (b) Hackers (c) Cyberbullies
- 80 One of psychological dangers of electronic games is.....
- (a) feeling lonely (b) affecting your sleep cycle (c) straining your eyes
- 81 One of the psychological dangers of electronic games is.....
- (a) being depressed (b) hackers attack (c) eye strain
- 82 Large gaming communities are filled with
- (a) data protection (b) information (c) cyberbullies
- 83 Some games promote violence, so this can make some people
- (a) friendly (b) calm (c) aggressive
- 84 Playing online games too much can cause eye
- (a) relax (b) strain (c) strength
- 85 Hackers can cause your information to be and viruses are easily spread.
- (a) protected (b) leaked (c) secured
- 86 MFA requires at least..... ways of identifying yourself.
- (a) two (b) four (c) three
- 87 Strong password contain at least characters.
- (a) two (b) four (c) eight



- 88 When creating password, you should use random
- (a) letters (b) numbers and symbols (c) both a and b
- 89 will scan your face using your device's camera.
- (a) Fingerprint Authentication (b) Facial Recognition (c) Pins
- 90 is a type of authentication which will scan your thumb as a way of confirming it's you.
- (a) Fingerprint Authentication (b) Facial Recognition (c) Multi Factor Authentication
- 91 If you think your data has been compromised, you should tell
- (a) a hacker (b) a parent (c) cyber bullies
- 92 is a security method that protects your information and only you can access it on your device by entering your password.
- (a) Full encryption (b) Facial Recognition (c) Both a and b
- 93 Egypt introduced Law to protect its citizens' data.
- (a) Data Protection (b) Data encryption (c) Data recognition
- 94 Facial recognition scans your face using your device's to confirm your identity.
- (a) scanner (b) printer (c) camera
- 95 In facial recognition you must use of the user to open your device or applications on your device
- (a) Password (b) Finger (c) Face
- 96 Companies must tell their immediately, if they've been victims of data theft.
- (a) hackers (b) customers (c) parents
- 97 requires at least two ways of identifying yourself.
- (a) MFA (b) PIN (c) Password
- 98 is the way only the user's face can be used to open their devices or devices' apps.
- (a) Facial recognition software (b) Personal questions (c) Install new software
- 99 is the greatest cyber security threat.
- (a) Spoofing (b) Malware (c) Antivirus



- 100 When dealing with the internet you should use strong passwords and change them every
 (a) three months (b) ten months (c) one year
- 101 Use a/an to do a sweep of your computer and remove any viruses
 (a) word (b) spoofing (c) anti-virus
- 102 To protect your computer from cyber security threats,
 (a) use anti-virus (b) change passwords every certain periods (c) both a and b
- 103 If you click on unsafe links, you are in of having your information compromised.
 (a) danger (b) safety (c) protection
- 104 is a type of malware.
 (a) Browser (b) Scareware (c) Spoofing
- 105the cyber security threat to a trusted adult.
 (a) Report (b) Don't tell (c) Install
- 106 Cyber criminals pretend to be a business is an example of
 (a) malware (b) scareware (c) spoofing
- 107 From safety precautions online is
 (a) Sharing your personal information online (b) Use secure internet browsers. (c) Using weak passwords
- 108 "....." refers to work that has been granted permission to share by the creator.
 (a) Creative Commons (b) Copyright (c) Hacking
- 109 Egypt considers work in the public domain if the creator has been deceased for at least
 (a) 30 years (b) 40 years (c) 50 years
- 110 A..... is a person who handles the buying and selling of shares.
 (a) broker (b) student (c) teacher
- 111 has made the process of buying and selling shares more efficient.
 (a) E-trading (b) E-learning (c) E-mail
- 112 In traditional settings, an investor will have a.....
 (a) player (b) broker (c) hacker



- 113 are online applications that provide financial guidance and services.
 (a) Robo-advisor (b) EKB (c) broker
- 114 In stock exchange, stocks are called.....
 (a) viruses (b) shares (c) copyrights
- 115 A is a market where buyers and sellers deal in units of company stocks.
 (a) cloud storage (b) stock exchange (c) copyright
- 116 includes written, visual, audio, video, and web materials.
 (a) Intellectual property rights (b) E-trading (c) Hacking
- 117 is the on-demand storing and accessing of data and programs via remote servers on the internet.
 (a) Cloud computing (b) Phishing (c) Downloading
- 118 is often a fee-based service.
 (a) Website browsing (b) Cloud storage (c) Data breach
- 119 provides an extra layer of security by offering password protected data storage and data encryption.
 (a) Cloud computing (b) E-Shopping (c) Cyberbullies
- 120 A occurs when unauthorized parties gain access to confidential data and information.
 (a) data encryption (b) data protection (c) data breach
- 121 Data converts data into a codes to prevent unauthorized users access.
 (a) encryption (b) copying (c) breach
- 122 Providing a backup for your files is from the of cloud computing.
 (a) advantages (b) disadvantages (c) side effects
- 123 enables users to access files and data easily from anywhere and at any time.
 (a) Data breach (b) LAN (c) Cloud computing
- 124 The platform allows you to store and share files.
 (a) OneDrive (b) Word (c) Excel



- 125 While using the OneDrive app, you can decide what level of access each person you share with such as
 (a) viewing purposes (b) editing (c) both(a) and (b)
- 126 In OneDrive, you can upload
 (a) files only (b) folders only (c) files and folders
- 127 To save a file in OneDrive, select then save a copy.
 (a) file menu (b) edit menu (c) view menu
- 128 are the most popular software that deals with cloud computing applications.
 (a) Microsoft 365 (b) Google Workspace (c) Both (a) and (b)
- 129 Microsoft 365 offers a whole suite of productivity apps such as.....
 (a) Microsoft Teams (b) Word and Excel (c) all of them
- 130 Microsoft 365 provides a set of productivity applications, such as
 (a) HTML (b) Microsoft Teams (c) viruses
- 131 is used to create blank documents
 (a) Microsoft Teams (b) Word (c) Excel
- 132 We use to create presentations.
 (a) Microsoft Teams (b) Word (c) PowerPoint
- 133 app is used to browse mailing lists.
 (a) Microsoft Teams (b) Word (c) Outlook

Question 02

put (√) or (×)

- 1 The wireless networks are connected using Wi-Fi. ()
- 2 Modem can send data to a specific device over a network. ()
- 3 Networks connect computers devices to each other to exchange information and important data. ()
- 4 Wireless networks use physical wiring and cables which are plugged into ports on devices. ()
- 5 The cables and wires in wired networks are plugged into holes are called ports. ()



- 6 Modem converts the signal from the ISP, which transforms into a digital signal that can be read by devices. ()
- 7 Switches direct data to specific devices, making connections easier and faster. ()
- 8 Artificial intelligence can imitate the sounds of people. ()
- 9 A modem is a device that connects a local area network to the internet. ()
- 10 PowerPoint is one of the productivities apps. ()
- 11 VR works to imitate sounds when provided with the tone of voice of an actual human being. ()
- 12 Artificial intelligence (AI) is the ability of the computer to think and learn. ()
- 13 Futuristic technologies cannot improve the lives of people of determination. ()
- 14 From the uses of AR, someone with a visual impaired can see their family members up close. ()
- 15 An AR app shows you how new furniture will look in your house. ()
- 16 Disabled individuals can use virtual assistants to make phone calls. ()
- 17 Using AR, students in a math class can point their smartphone camera at a flat surface and project a 3-D image like a cube or cylinder onto the surface. ()
- 18 There is no difference between virtual reality and augmented reality. ()
- 19 Users often wear a normal headphone that blocks out the real world and provides views that immerse the user in another world. ()
- 20 AI is used to unlock your phone with facial recognition. ()
- 21 To experience augmented reality, users often wear a VR headset that blocks out the real world. ()
- 22 Virtual reality combines the real world with a virtual world by adding images using computers. ()
- 23 VR Headset out the real world and provides views that immerse the user in another world. ()
- 24 Cutting-edge technology is the latest and most advanced version of a service or product. ()
- 25 Artificial intelligence, augmented reality, and virtual reality are examples of cutting-edge technology. ()
- 26 Smart gloves empower visually impaired people to translate their sign to spoken or text output. ()
- 27 User experience describes how to use the product and interact with it. ()



- 28 Smart gloves are type of assistive technology. ()
- 29 AI is one of cutting- edge technology. ()
- 30 Screen magnification software is a type of assistive technology. ()
- 31 A user experience is always positive. ()
- 32 User experience is interlinked with the development or products and services. ()
- 33 Keywords can be used to search inside the database. ()
- 34 EKB is an example of general database. ()
- 35 A library catalog is a database which includes all the items owned by a library. ()
- 36 EKB is biased source of information. ()
- 37 All digital search tools give the same results. ()
- 38 Copy, paste and cut are some of the most commonly use word processing commands. ()
- 39 Search engines are user-friendly, very fast, and often result in many results. ()
- 40 Databases are a collection of information which are typically stored in a computer system. ()
- 41 Through the font formatting commands copy, cut, and paste commands can be chosen in a word processing application file. ()
- 42 A library catalog is a database which includes all the items owned by a library. ()
- 43 Alexandria library catalogs can be used through the library website on the internet. ()
- 44 A library catalog search doesn't include recently published books. ()
- 45 You can use author name and journal title to narrow a search results. ()
- 46 Limiting a search range by specifying dates will help you find the most up-to-date research. ()
- 47 Operating system is used for managing computer's functions. ()
- 48 Most computers come pre-loaded with an operating system. ()
- 49 Android runs on mac devices. ()
- 50 Apple computers work only on Microsoft windows operating system, ()
- 51 Operating system manages the software and hardware components of a computer. ()



- 52 The most popular mobile OSs are Android and Apple iOS. ()
- 53 Microsoft Windows runs the most computers worldwide. ()
- 54 Apple computers run on mac OS. ()
- 55 Mobile devices have mobile operating systems. ()
- 56 Android and iOS perform different basic functions. ()
- 57 IOS is the operating system used on apple mobile devices. ()
- 58 Robot operating system (R.O.S) is a "closed-source" program ()
- 59 Windows is open-source software that can be edited by anyone. ()
- 60 Self- driving cars don't need operating systems to perform. ()
- 61 There are multiple operating systems powering self- driving cars. ()
- 62 Programming languages have evolved to high level human like language. ()
- 63 Programming languages are usually close source, so no one can see or modify the code. ()
- 64 HTML is the standard programming language used to create a webpage. ()
- 65 To write the largest heading in a webpage, use <h6> </h6> tag. ()
- 66 HTML tags consist of three main parts. ()
- 67 Microsoft windows is the standard programming language used to create a webpage. ()
- 68 To create a paragraph in a webpage, use tag. ()
- 69 The tag <i> </i> refers to change text to italic. ()
- 70 A paragraph usually has more than one sentence. ()
- 71 Web browsers have difficulty reading HTML documents. ()
- 72 To make the bold text in a webpage, use tag. ()
- 73 Subheadings font size is larger than the largest heading. ()
- 74 Adding subheadings to web pages makes the text easy to scan, so a reader can find the information easily. ()
- 75 The tag <h1> </h1> refers to smaller subheading. ()
- 76 HTML code can help people with low vision to distinguish between parts of a web page. ()
- 77 To change the text to bold we use the tag. ()



- 78 HTML elements break up web pages to make them easier to scan, read, and navigate. ()
- 79 You can immerse to an ancient site and back thousand years ago using Bluetooth technology. ()
- 80 To repeat a statement in word processing file choose copy and paste text. ()
- 81 To limit the dangers of electronic games, use personal information in username. ()
- 82 Anxiety and depression are considered from the psychological dangers of over usage of electronic games. ()
- 83 Never accept limits that your parents set to prevent unhealthy gaming habits. ()
- 84 Electronic games may keep you stimulated and prevent you from falling asleep. ()
- 85 Eye strain and backbend problem are considered from security dangers of over usage of electronic games. ()
- 86 Big electronic games communities are full of cyberbullies. ()
- 87 Multiplayer games can put your security at risk. ()
- 88 Feeling lonely from physical dangers of playing electronic games. ()
- 89 You may become anxious and depressed because you are being bullied online. ()
- 90 Electronic games can be fun, but they impact health. ()
- 91 Use a webcam to limit the dangers of electronic games. ()
- 92 It is irresponsible to leave your devices at risk by not taking proper safety precautions. ()
- 93 Facial Recognition will scan your face using your device's camera. ()
- 94 Multi-Factor Authentication requires one way of identifying yourself. ()
- 95 You can protect your devices from theft by setting a weak password. ()
- 96 Fingerprint Authentication is a type of authentication will scan your finger as a way of confirming it's you. ()
- 97 MFA stands for Multi-Factor Authentication. ()
- 98 Strong passwords must contain three characters. ()
- 99 Egypt established the Data Protection Law to protect its citizens' data. ()
- 100 Companies must report immediately if they've been victims of data theft. ()



- 101 If you think your data has been compromised, you shouldn't tell a parent or trusted adult. ()
- 102 It is not important for companies to protect their data. ()
- 103 Tell your parents or a trusted adult when you face a data theft. ()
- 104 Fingerprint Authentication is a way only the user's face can be used to open their devices or devices' apps. ()
- 105 Full encryption works on protecting your information so you're the only one who will have access to it. ()
- 106 Data protection is important for individuals only. ()
- 107 Do not communicate with people you don't know or who make you feel uncomfortable. ()
- 108 Use any application to do a sweep of your computer and remove any viruses. ()
- 109 Malware is the greatest cyber security threat. ()
- 110 Data protection law require companies to use strict security standards and principles. ()
- 111 Fingerprint authentication is done by scanning your face using camera. ()
- 112 Using unsecured Wi-Fi networks exposes you to malware threats. ()
- 113 One of the safety precautions when dealing with the internet is not to share personal information online. ()
- 114 Using weak passwords and making it fixed is one of the safety precautions when dealing with the internet. ()
- 115 From the safety strategies is verifying the websites that you frequent are real, safe, and age appropriate. ()
- 116 One of the safety precautions online is to use antivirus software. ()
- 117 You should install anti-virus to protect your devices. ()
- 118 One of the safety precautions on the Internet is to communicate with people you do not know. ()
- 119 Scareware is known as a type of friendly software. ()
- 120 Copyright includes only written material. ()
- 121 Work in data libraries such as the Egyptian Knowledge Bank (EKB) is not approved for use. ()
- 122 No creator permission is required if the creator has been deceased for at least 50 years. ()
- 123 The Egyptian Stock Exchange allows citizens to invest in various sectors. ()



- 124 Intellectual property refers to someone's invention, creation, or idea that is protected by law from being copied by others. ()
- 125 E-trading provides investors with the independence and user-friendly options. ()
- 126 The stock exchange is a knowledge bank where members exchange their ideas. ()
- 127 "Creative Commons" refers to work that has been granted permission to share by the creator. ()
- 128 E-trading provides access to many people who otherwise might not be able to invest. ()
- 129 In traditional settings, an investor won't have a broker. ()
- 130 In stock exchange the stocks are called shares. ()
- 131 E-trading allows more independence and user-friendly options. ()
- 132 Smart investors invest in the first company they find without doing any research. ()
- 133 Egypt considers work in the public domain after creator's death at least 50 years, but creator permission is required. ()
- 134 Cloud computing allows users to access files and data anytime, anywhere, easily and conveniently. ()
- 135 The Outlook email platform allows you to store, share and access your files from any device. ()
- 136 Cloud computing provides an extra layer of security by offering password protected data storage and data encryption. ()
- 137 From the disadvantages of cloud computing is requiring internet connection. ()
- 138 Be sure to use a strong password for any account you have on a cloud storage platform. ()
- 139 One of the disadvantages of using cloud computing is providing a backup for your files. ()
- 140 Cloud computing provides a backup for your files. ()
- 141 One of the advantages of using cloud computing is that it doesn't require an internet connection. ()
- 142 Cloud storage is often a fee-based service, this consider an advantage. ()
- 143 Remote servers enable users to access their files via the internet. ()
- 144 Google is one of the cloud computing service providers. ()
- 145 Microsoft 365 platform provides everything you need. ()
- 146 PowerPoint is used to create bank documents. ()



- 147 When using OneDrive, you upload your files and then click on the Share option to share with others. ()
- 148 While using the OneDrive app, you can't decide what level of access each person has. ()
- 149 Microsoft 365 is a cloud computing service provider through the OneDrive application. ()
- 150 Through word program, you can draft ideas, a story, or an assignment. ()
- 151 Google Workspace is one of the most popular software that deals with cloud computing applications. ()
- 152 The OneDrive platform is user-friendly and allows you to store and share your files. ()
- 153 Microsoft 365 provides the Excel email platform. ()
- 154 You cannot upload your files to OneDrive. ()

تم بحمد الله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم





First term Questions Bank



Question 01

choose the correct Answer

- 1 The wireless networks are connected using
 (a) Ports (b) Modem (c) Wi-Fi
- 2 are groups of devices or things that are connected to each other for a common purpose.
 (a) Explorers (b) Networks (c) Keyboard
- 3 converts the signal from the internet service provider (ISP) into a digital signal.
 (a) Port (b) Modem (c) Switch
- 4 performs complex tasks that simulate the thinking and performance of the human element.
 (a) VR (b) AI (c) AR
- 5 is intelligent device sends data to a specific device over a network.
 (a) Modem (b) Switch (c) Hub
- 6 is a device that connects a local area network (LAN) to the internet.
 (a) Modem (b) Laptop (c) Server
- 7 is a technology that help imitate the sound of an actual human being.
 (a) Bluetooth (b) Assistive technology (c) Artificial Intelligence
- 9 LAN is considered as a group of computers connected together with cables from the network.
 (a) Wired (b) Wireless (c) Wi-Fi
- 10 combines the real world with a virtual world by adding images using computers.
 (a) Augmented reality (b) Virtual Reality (c) Assistive technology
- 11 virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality.
 (a) RV (b) AR (c) VR



- 12 VR Users often wear a that blocks out the real world and provides views that immerse the user in another world.
 (a) headphone (b) smartgloves (c) VR headset
- 13 The cables and wires in wired networks are plugged into holes are called
 (a) Ports (b) Wi-Fi (c) Switches
- 14 can take you a museum thousands of miles away, or to a historical site hundreds of years ago.
 (a) Augmented reality (b) Virtual reality (c) Assistive technology
- 15 Students in a math class can point their smartphone camera at a flat surface and project a 3-D model onto the surface, this is an example of
 (a) Augmented reality (b) virtual Reality (c) assistive technology
- 16is a technology that helps to make interactive and memorable learning
 (a) Digital footprint (b) Augmented reality (c) Modem
- 17 is the e ability of the computer to think, learn and deduce.
 (a) AI (b) VR (c) AR
- 18 Visually impaired people can use to see their family members up close.
 (a) augmented reality (b) glasses (c) virtual reality
- 19 predicts the word you will write from words you have written previously.
 (a) VR (b) AI (c) AR
- 20 shows you how new furniture will look in your house.
 (a) Virtual Reality (b) Augmented reality (c) assistive technology
- 21 is a technology used for unlock your phone using facial recognition
 (a) Artificial Intelligence (b) Assistive technology (c) Virtual reality
- 22 technology is the latest and most advanced version of a service or product.
 (a) Virtual (b) Cutting-edge (c) Assistive
- 23 helps people of determination, for example, screen magnification software and hearing aids.
 (a) Vertual reality (b) Cutting-edge technology (c) Assistive technology



- 24 Smart gloves that empower deaf people to translate their signs in real time to spoken or text output considered
- (a) augmented reality (b) assistive technology (c) virtual reality
- 25 Artificial intelligence, augmented reality, and virtual reality are examples of
- (a) search engines (b) cutting-edge technology (c) assistive technology
- 26 empower deaf people to translate their sign in real time to spoken or text output.
- (a) Hearing aids (b) Screen magnification (c) Smartgloves
- 27 Screen magnification software, hearing aids, and programs that turn speech to text and text to speech are examples of
- (a) augmented reality (b) virtual reality (c) assistive technology
- 28 describes how to use the product and interact with it.
- (a) User experience (b) Virtual reality (c) Stock exchange
- 29 If the product is credible and the company is trustworthy, the user experience will be
- (a) positive (b) negative (c) neutral
- 30 helps people with visual impaired (poor vision) to read.
- (a) Printer (b) Prosthetic legs (c) Scanning and reading device
- 31 The user experience will be negative, if the product is
- (a) desirable (b) credible (c) unusable
- 32 is a technology that helps people of determinations to enlargement (zoom) screen, hearing aids, and convert speech to text and text to speech.
- (a) Assistive technology (b) Traditional technology (c) Piracy
- 33 is from the elements to evaluate a good product.
- (a) High cost (b) Bad manufacturing (c) Ability to find solution (findable)
- 34 is from the points to be considered when buying a good product.
- (a) Manufacturing country (b) Difficult usability (c) Usability (usable)



- 35 can help people to search internet websites based on the keywords and phrases.
 (a) Search engines (b) Articles (c) Books
- 36 A library catalog is a which includes all items owned by the library.
 (a) software (b) search engine (c) database
- 37 are collections of information which are typically stored in a computer system and can be accessed, for free through a school or library.
 (a) Search engines (b) Databases (c) Google chrome
- 38 The is an example of a general database which covers many subjects.
 (a) Facebook (b) Twitter (c) EKB
- 39 You can search for information from magazines and newspapers through the on the computer in school library.
 (a) magazine catalogs (b) databases (c) social media
- 40 The EKB results are credible and
 (a) untrusted (b) narrow (c) accurate
- 41 is a database that contain all the sources and items owned by a library.
 (a) Paint program (b) library catalog (c) Search engine
- 42 To get useful search results and to narrow your search you can search by
 (a) author name (b) title of the journal (c) both of them
- 43 is used for managing computer's functions.
 (a) Operating system (b) E-readers (c) Google chrome
- 44 computers run on macOS.
 (a) Microsoft (b) Ipad (c) Apple
- 47 from the most popular mobile Oss.
 (a) Android (b) MacOS (c) Windows
- 48 is a technology that aim to meet the needs of people of determination.
 (a) Assistive technology (b) Traditional technology (c) Fingerprint



- 49 uses open-source software.
 (a) Apple iOS (b) Android (c) Both (a) and (b)
- 50 The programmers are using language to create webpages.
 (a) Automative (b) MacOS (c) HTML
- 51 Apple iOS is software
 (a) open-source (b) closed-source (c) both (a) and (b)
- 52 refers to instructions to a computer that are given in code.
 (a) ROS (b) Programming Language (c) IOS
- 53 is an operating system, and it's open-source program to build robot applications.
 (a) ROS (b) IOS (c) Android
- 54 from examples of cutting _edge operating systems.
 (a) ROS (b) Self- driving cars (c) Both (a) and (b)
- 55 is the standard programming language used to create web pages.
 (a) Python (b) HTML (c) OSs
- 56 HTML describes the structure of a web page and consists of a series of elements such as headings, paragraph and
 (a) images (b) links (c) both (a) and (b)
- 57 HTML tags consist of an opening tag, a closing tag and
 (a) comments (b) the content (c) attributes
- 58 The HTML tag <p>....</p> refers to
 (a) largest heading (b) subheading (c) create a paragraph
- 59 The tag is used to create the largest heading in HTML
 (a) <L1>....</L1> (b) <h1>.....</h1> (c) <h6>.....</h6>
- 60 The HTML tag <h2>.....</h2> refers to
 (a) largest heading (b) subheading (c) Smaller subheading
- 61 The function of <i>... </i> tag is
 (a) italicize a text (b) make text bold (c) change font color



- 62 Large headings are placed at the of the web page to catch the attention.
 (a) middle (b) bottom (c) top
- 63 HTML tags have main parts.
 (a) Two (b) three (c) four
- 64 read HTML documents and display the content according to the HTML tags.
 (a) Web browsers (b) Web servers (c) E-readers
- 65 To make the text bold in HTML, you can use tag.
 (a) <p> (b) (c) <s>
- 66 One of the following tags is true.....
 (a) </i> ... </i> (b) <a> ... (c) <h1> ... </h1>
- 67 The href attribute is used with <a> tag to create a/an in HTML.
 (a) image (b) hyperlink (c) paragraph
- 68 Adding to the web page, attracts attention and triggers different emotions.
 (a) images (b) smallest heading (c) database
- 69 The HTML tag <h6>.....</h6> refers to.....
 (a) largest heading (b) subheading (c) Smaller subheading
- 70 The abbreviation of Hyper Text Markup Language is
 (a) HTML (b) HTLM (c) THML
- 71 From advantages of electronic games encouraging
 (a) cyberbullies (b) teamwork (c) violence
- 72 Electronic games can help promote
 (a) Critical thinking (b) creative thinking (c) both a and b
- 73 Playing electronic games too much can affect your cycle.
 (a) life (b) sleep (c) energy
- 74 Some electronic games promote violence to some and this is considered as dangers.
 (a) physical (b) psychological (c) Security



- 75 Electronic games, can be a lot of fun, but there can be problems playing these games like
 (a) cyber bullying (b) critical thinking (c) having fun
- 76 is from the security dangers of electronic games.
 (a) Eye strain (b) Anxiety and depression (c) Allow unknown people to access your name and e-mail
- 77 Hackers can steal your information, and can easily spread.
 (a) viruses (b) books (c) images
- 78 One of the physical dangers of electronic games is..... .
 (a) feeling lonely (b) stealing data (c) straining your eyes
- 79 can cause your information to be leaked, and viruses are easily spread.
 (a) Friends (b) Hackers (c) Cyberbullies
- 80 One of psychological dangers of electronic games is.....
 (a) feeling lonely (b) affecting your sleep cycle (c) straining your eyes
- 81 One of the psychological dangers of electronic games is.....
 (a) being depressed (b) hackers attack (c) eye strain
- 82 Large gaming communities are filled with
 (a) data protection (b) information (c) cyberbullies
- 83 Some games promote violence, so this can make some people
 (a) friendly (b) calm (c) aggressive
- 84 Playing online games too much can cause eye
 (a) relax (b) strain (c) strength
- 85 Hackers can cause your information to be and viruses are easily spread.
 (a) protected (b) leaked (c) secured
- 86 MFA requires at least..... ways of identifying yourself.
 (a) two (b) four (c) three
- 87 Strong password contain at least characters.
 (a) two (b) four (c) eight



- 88 When creating password, you should use random
 (a) letters (b) numbers and symbols (c) both a and b
- 89 will scan your face using your device's camera.
 (a) Fingerprint Authentication (b) Facial Recognition (c) Pins
- 90 is a type of authentication which will scan your thumb as a way of confirming it's you.
 (a) Fingerprint Authentication (b) Facial Recognition (c) Multi Factor Authentication
- 91 If you think your data has been compromised, you should tell
 (a) a hacker (b) a parent (c) cyber bullies
- 92 is a security method that protects your information and only you can access it on your device by entering your password.
 (a) Full encryption (b) Facial Recognition (c) Both a and b
- 93 Egypt introduced Law to protect its citizens' data.
 (a) Data Protection (b) Data encryption (c) Data recognition
- 94 Facial recognition scans your face using your device's to confirm your identity.
 (a) scanner (b) printer (c) camera
- 95 In facial recognition you must use of the user to open your device or applications on your device
 (a) Password (b) Finger (c) Face
- 96 Companies must tell their immediately, if they've been victims of data theft.
 (a) hackers (b) customers (c) parents
- 97 requires at least two ways of identifying yourself.
 (a) MFA (b) PIN (c) Password
- 98 is the way only the user's face can be used to open their devices or devices' apps.
 (a) Facial recognition software (b) Personal questions (c) Install new software
- 99 is the greatest cyber security threat.
 (a) Spoofing (b) Malware (c) Antivirus



- 100 When dealing with the internet you should use strong passwords and change them every
 (a) three months (b) ten months (c) one year
- 101 Use a/an to do a sweep of your computer and remove any viruses
 (a) word (b) spoofing (c) anti-virus
- 102 To protect your computer from cyber security threats,
 (a) use anti-virus (b) change passwords every certain periods (c) both a and b
- 103 If you click on unsafe links, you are in of having your information compromised.
 (a) danger (b) safety (c) protection
- 104 is a type of malware.
 (a) Browser (b) Scareware (c) Spoofing
- 105the cyber security threat to a trusted adult.
 (a) Report (b) Don't tell (c) Install
- 106 Cyber criminals pretend to be a business is an example of
 (a) malware (b) scareware (c) spoofing
- 107 From safety precautions online is
 (a) Sharing your personal information online (b) Use secure internet browsers. (c) Using weak passwords
- 108 "....." refers to work that has been granted permission to share by the creator.
 (a) Creative Commons (b) Copyright (c) Hacking
- 109 Egypt considers work in the public domain if the creator has been deceased for at least
 (a) 30 years (b) 40 years (c) 50 years
- 110 A..... is a person who handles the buying and selling of shares.
 (a) broker (b) student (c) teacher
- 111 has made the process of buying and selling shares more efficient.
 (a) E-trading (b) E-learning (c) E-mail
- 112 In traditional settings, an investor will have a.....
 (a) player (b) broker (c) hacker



- 113 are online applications that provide financial guidance and services.
 (a) Robo-advisor (b) EKB (c) broker
- 114 In stock exchange, stocks are called.....
 (a) viruses (b) shares (c) copyrights
- 115 A is a market where buyers and sellers deal in units of company stocks.
 (a) cloud storage (b) stock exchange (c) copyright
- 116 includes written, visual, audio, video, and web materials.
 (a) Intellectual property rights (b) E-trading (c) Hacking
- 117 is the on-demand storing and accessing of data and programs via remote servers on the internet.
 (a) Cloud computing (b) Phishing (c) Downloading
- 118 is often a fee-based service.
 (a) Website browsing (b) Cloud storage (c) Data breach
- 119 provides an extra layer of security by offering password protected data storage and data encryption.
 (a) Cloud computing (b) E-Shopping (c) Cyberbullies
- 120 A occurs when unauthorized parties gain access to confidential data and information.
 (a) data encryption (b) data protection (c) data breach
- 121 Data converts data into a codes to prevent unauthorized users access.
 (a) encryption (b) copying (c) breach
- 122 Providing a backup for your files is from the of cloud computing.
 (a) advantages (b) disadvantages (c) side effects
- 123 enables users to access files and data easily from anywhere and at any time.
 (a) Data breach (b) LAN (c) Cloud computing
- 124 The platform allows you to store and share files.
 (a) OneDrive (b) Word (c) Excel



- 125 While using the OneDrive app, you can decide what level of access each person you share with such as
 (a) viewing purposes (b) editing (c) both(a) and (b)
- 126 In OneDrive, you can upload
 (a) files only (b) folders only (c) files and folders
- 127 To save a file in OneDrive, select then save a copy.
 (a) file menu (b) edit menu (c) view menu
- 128 are the most popular software that deals with cloud computing applications.
 (a) Microsoft 365 (b) Google Workspace (c) Both (a) and (b)
- 129 Microsoft 365 offers a whole suite of productivity apps such as.....
 (a) Microsoft Teams (b) Word and Excel (c) all of them
- 130 Microsoft 365 provides a set of productivity applications, such as
 (a) HTML (b) Microsoft Teams (c) viruses
- 131 is used to create blank documents
 (a) Microsoft Teams (b) Word (c) Excel
- 132 We use to create presentations.
 (a) Microsoft Teams (b) Word (c) PowerPoint
- 133 app is used to browse mailing lists.
 (a) Microsoft Teams (b) Word (c) Outlook

Question 02

put (√) or (×)

- 1 The wireless networks are connected using Wi-Fi. ✓
- 2 Modem can send data to a specific device over a network. ✗
- 3 Networks connect computers devices to each other to exchange information and important data. ✓
- 4 Wireless networks use physical wiring and cables which are plugged into ports on devices. ✗
- 5 The cables and wires in wired networks are plugged into holes are called ports. ✓



- 6 Modem converts the signal from the ISP, which transforms into a digital signal that can be read by devices. ✓
- 7 Switches direct data to specific devices, making connections easier and faster. ✓
- 8 Artificial intelligence can imitate the sounds of people. ✓
- 9 A modem is a device that connects a local area network to the internet. ✓
- 10 PowerPoint is one of the productivities apps. ✓
- 11 VR works to imitate sounds when provided with the tone of voice of an actual human being. ✗
- 12 Artificial intelligence (AI) is the ability of the computer to think and learn. ✓
- 13 Futuristic technologies cannot improve the lives of people of determination. ✗
- 14 From the uses of AR, someone with a visual impaired can see their family members up close. ✓
- 15 An AR app shows you how new furniture will look in your house. ✓
- 16 Disabled individuals can use virtual assistants to make phone calls. ✓
- 17 Using AR, students in a math class can point their smartphone camera at a flat surface and project a 3-D image like a cube or cylinder onto the surface. ✓
- 18 There is no difference between virtual reality and augmented reality. ✗
- 19 Users often wear a normal headphone that blocks out the real world and provides views that immerse the user in another world. ✗
- 20 AI is used to unlock your phone with facial recognition. ✓
- 21 To experience augmented reality, users often wear a VR headset that blocks out the real world. ✗
- 22 Virtual reality combines the real world with a virtual world by adding images using computers. ✗
- 23 VR Headset out the real world and provides views that immerse the user in another world. ✓
- 24 Cutting-edge technology is the latest and most advanced version of a service or product. ✓
- 25 Artificial intelligence, augmented reality, and virtual reality are examples of cutting-edge technology. ✓
- 26 Smart gloves empower visually impaired people to translate their sign to spoken or text output. ✗
- 27 User experience describes how to use the product and interact with it. ✓



- 28 Smart gloves are type of assistive technology. ✓
- 29 AI is one of cutting- edge technology. ✓
- 30 Screen magnification software is a type of assistive technology. ✓
- 31 A user experience is always positive. ✗
- 32 User experience is interlinked with the development or products and services. ✓
- 33 Keywords can be used to search inside the database. ✓
- 34 EKB is an example of general database. ✓
- 35 A library catalog is a database which includes all the items owned by a library. ✓
- 36 EKB is biased source of information. ✗
- 37 All digital search tools give the same results. ✗
- 38 Copy, paste and cut are some of the most commonly use word processing commands. ✓
- 39 Search engines are user-friendly, very fast, and often result in many results. ✓
- 40 Databases are a collection of information which are typically stored in a computer system. ✓
- 41 Through the font formatting commands copy, cut, and paste commands can be chosen in a word processing application file. ✗
- 42 A library catalog is a database which includes all the items owned by a library. ✓
- 43 Alexandria library catalogs can be used through the library website on the internet. ✓
- 44 A library catalog search doesn't include recently published books. ✗
- 45 You can use author name and journal title to narrow a search results. ✓
- 46 Limiting a search range by specifying dates will help you find the most up-to-date research. ✓
- 47 Operating system is used for managing computer's functions. ✓
- 48 Most computers come pre-loaded with an operating system. ✓
- 49 Android runs on mac devices. ✗
- 50 Apple computers work only on Microsoft windows operating system, ✗
- 51 Operating system manages the software and hardware components of a computer. ✓



- 52 The most popular mobile OSs are Android and Apple iOS. ✓
- 53 Microsoft Windows runs the most computers worldwide. ✓
- 54 Apple computers run on mac OS. ✓
- 55 Mobile devices have mobile operating systems. ✓
- 56 Android and iOS perform different basic functions. ✗
- 57 IOS is the operating system used on apple mobile devices. ✓
- 58 Robot operating system (R.O.S) is a "closed-source" program ✗
- 59 Windows is open-source software that can be edited by anyone. ✗
- 60 Self- driving cars don't need operating systems to perform. ✗
- 61 There are multiple operating systems powering self- driving cars. ✓
- 62 Programming languages have evolved to high level human like language. ✓
- 63 Programming languages are usually close source, so no one can see or modify the code. ✗
- 64 HTML is the standard programming language used to create a webpage. ✓
- 65 To write the largest heading in a webpage, use <h6> </h6> tag. ✗
- 66 HTML tags consist of three main parts. ✓
- 67 Microsoft windows is the standard programming language used to create a webpage. ✗
- 68 To create a paragraph in a webpage, use tag. ✗
- 69 The tag <i> </i> refers to change text to italic. ✓
- 70 A paragraph usually has more than one sentence. ✓
- 71 Web browsers have difficulty reading HTML documents. ✗
- 72 To make the bold text in a webpage, use tag. ✓
- 73 Subheadings font size is larger than the largest heading. ✗
- 74 Adding subheadings to web pages makes the text easy to scan, so a reader can find the information easily. ✓
- 75 The tag <h1> </h1> refers to smaller subheading. ✗
- 76 HTML code can help people with low vision to distinguish between parts of a web page. ✓
- 77 To change the text to bold we use the tag. ✓



- 78 HTML elements break up web pages to make them easier to scan, read, and navigate. ✓
- 79 You can immerse to an ancient site and back thousand years ago using Bluetooth technology. ✗
- 80 To repeat a statement in word processing file choose copy and paste text. ✓
- 81 To limit the dangers of electronic games, use personal information in username. ✗
- 82 Anxiety and depression are considered from the psychological dangers of over usage of electronic games. ✓
- 83 Never accept limits that your parents set to prevent unhealthy gaming habits. ✗
- 84 Electronic games may keep you stimulated and prevent you from falling asleep. ✓
- 85 Eye strain and backbend problem are considered from security dangers of over usage of electronic games. ✗
- 86 Big electronic games communities are full of cyberbullies. ✓
- 87 Multiplayer games can put your security at risk. ✓
- 88 Feeling lonely from physical dangers of playing electronic games. ✗
- 89 You may become anxious and depressed because you are being bullied online. ✓
- 90 Electronic games can be fun, but they impact health. ✓
- 91 Use a webcam to limit the dangers of electronic games. ✗
- 92 It is irresponsible to leave your devices at risk by not taking proper safety precautions. ✓
- 93 Facial Recognition will scan your face using your device's camera. ✓
- 94 Multi-Factor Authentication requires one way of identifying yourself. ✗
- 95 You can protect your devices from theft by setting a weak password. ✗
- 96 Fingerprint Authentication is a type of authentication will scan your finger as a way of confirming it's you. ✓
- 97 MFA stands for Multi-Factor Authentication. ✓
- 98 Strong passwords must contain three characters. ✗
- 99 Egypt established the Data Protection Law to protect its citizens' data. ✓
- 100 Companies must report immediately if they've been victims of data theft. ✓



- 101 If you think your data has been compromised, you shouldn't tell a parent or trusted adult.
- 102 It is not important for companies to protect their data.
- 103 Tell your parents or a trusted adult when you face a data theft.
- 104 Fingerprint Authentication is a way only the user's face can be used to open their devices or devices' apps.
- 105 Full encryption works on protecting your information so you're the only one who will have access to it.
- 106 Data protection is important for individuals only.
- 107 Do not communicate with people you don't know or who make you feel uncomfortable.
- 108 Use any application to do a sweep of your computer and remove any viruses.
- 109 Malware is the greatest cyber security threat.
- 110 Data protection law require companies to use strict security standards and principles.
- 111 Fingerprint authentication is done by scanning your face using camera.
- 112 Using unsecured Wi-Fi networks exposes you to malware threats.
- 113 One of the safety precautions when dealing with the internet is not to share personal information online.
- 114 Using weak passwords and making it fixed is one of the safety precautions when dealing with the internet.
- 115 From the safety strategies is verifying the websites that you frequent are real, safe, and age appropriate.
- 116 One of the safety precautions online is to use antivirus software.
- 117 You should install anti-virus to protect your devices.
- 118 One of the safety precautions on the Internet is to communicate with people you do not know.
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- 133 Egypt considers work in the public domain after creator's death at least 50 years, but creator permission is required. ✗
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- 135 The Outlook email platform allows you to store, share and access your files from any device. ✗
- 136 Cloud computing provides an extra layer of security by offering password protected data storage and data encryption. ✓
- 137 From the disadvantages of cloud computing is requiring internet connection. ✗
- 138 Be sure to use a strong password for any account you have on a cloud storage platform. ✓
- 139 One of the disadvantages of using cloud computing is providing a backup for your files. ✗
- 140 Cloud computing provides a backup for your files. ✓
- 141 One of the advantages of using cloud computing is that it doesn't require an internet connection. ✗
- 142 Cloud storage is often a fee-based service, this consider an advantage. ✗
- 143 Remote servers enable users to access their files via the internet. ✓
- 144 Google is one of the cloud computing service providers. ✓
- 145 Microsoft 365 platform provides everything you need. ✓
- 146 PowerPoint is used to create bank documents. ✗



- 147 When using OneDrive, you upload your files and then click on the Share option to share with others. ✓
- 148 While using the OneDrive app, you can't decide what level of access each person has. ✗
- 149 Microsoft 365 is a cloud computing service provider through the OneDrive application. ✓
- 150 Through word program, you can draft ideas, a story, or an assignment. ✓
- 151 Google Workspace is one of the most popular software that deals with cloud computing applications. ✓
- 152 The OneDrive platform is user-friendly and allows you to store and share your files. ✓
- 153 Microsoft 365 provides the Excel email platform. ✗
- 154 You cannot upload your files to OneDrive. ✗

تم بحمد الله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم



حمل الآن

مجاناً وحصرياً

المراجعة رقم (3)

الترم الاول





Final Revision

*(1) Choose the right answer:

Mr. Ahmed Elbasha

1. combines the real world with a virtual world by adding images.

- a. Augmented reality
- b. Virtual reality
- c. Artificial intelligence
- d. both a and b

2. Data converts it into a code to prevent unauthorized users access.

- a. encryption
- b. copying
- c. saving
- d. breach

3. is the greatest cyber security threat.

- a. Spoofing
- b. Malware
- c. Scareware
- d. None of them

4. The HTML tag `<p> .....` `</p>` refers to

- a. largest heading
- b. subheading
- c. smaller subheading
- d. create a paragraph

5. A/An is the software that manages computer's functions.

- a. e-readers
- b. Windows Explorer
- c. operating system
- d. Google Chrome

6. The storage application in Microsoft 365 is named

- a. OneDrive
- b. Word
- c. PowerPoint
- d. Excel

7. To create a paragraph in the web page use the tag

- a. `<h1>`
- b. `<I>`
- c. `<font>`
- d. `<P>`

8. A networks that connected without wiring is named

- a. Physical wiring
- b. Wireless
- c. Ports
- d. Cables

9. The software that scan your face using your device's camera is

- a. Finger print
- b. Password
- c. Multi-Factor
- d. Facial Recognition

10. The Physical dangers of playing electronic games causes

- a. Depressed
- b. Back problems
- c. Aggressive
- d. Bullied online

11..... is a data base which includes all the items owned by a library.

- a. Library b. A library catalog c. Key words d. Scanner

12..... are groups of devices or things that are connected to each other for a common purpose.

- a. Virtual reality b. Artificial intelligence
c. Network d. Augmented reality

13.You can limit the dangers while playing electronic games through

- a. playing with people you know and trust b. not using a webcam
c. not using personal information d. all of them

14. is the standard programming Language used to create webpages.

- a. HTML b. Android c. Windows d. Wireless

15.Books whose authors have been deceased for 50 years are

- a. copyrighted b. in public domain
c. commons d. public

16. which means a person can change and read the programming code.

- a. Closed source software b. Open source software
c. Exchange stock d. None of them

17.Smart gloves empower to translate sign languages to spoken.

- a. blind people b. deaf people
c. mobility impaired d. all of them

18.In the class room can take you to world where insect are bigger than you.

- a. -VR b. -AR
c. -AI d. none of them

19.MFA requires at least ways of identifying yourself.

- a. two b. three c. four d. five

20.<a> tag refers to

- a. italic font b. strong font c. hyperlink d. easy font

21..... will scan your face using your device's camera.

- a. Fingerprint authentication b. MFA
c. Facial recognition d. Outlook

22..... is a device that connects a local area network (LAN) tp the internet .

- a. Modem b. Laptop c. Router d. Mouse

23.The operating used on apple PCs

- a. Windows b. macOS c. Different d. easy

24.Instructions to a computer are given in code

- a. iOS b. wireless
c. programming language d. Word

25.The EKB results are credible and

- a. inaccurate b. narrow c. accurate d. unclear

26.Electronic games can strain your and cause headaches.

- a. hand b. arm c. eyes d. leg

27.A is a market where buyers and sellers deal in units of company stocks.

- a. supermarket b. stock exchange c. trade d. copyright

28.We use to create presentations.

- a. Microsoft Teams b. Word
c. PowerPoint d. Excel

29.The facial recognition program performs a scan for the when the device is opened.

- a. eyes only b. fingerprint
c. face d. None of them

30.A technology that allows data to be stored and accessed through remote servers over the internet

- a. Multi-factor authentication b. Cloud computing
c. Anti-virus d. AI

31.You should not use in the user name and passwords.

- a. personal information b. opinions
c. general information d. emails

32.Information is considered the result of processing

- a. data b. digital blogs c. Email d. Word

33.Files can be uploaded and shared through the Platform.

- a. Teams b. OneDrive c. Word d. Excel

34.Passwords that consist of at least letters, numbers, and random symbols are the most secure.

- a. seven b. three c. eight d. two

35..... is groups or people or things, that are connected to each other for a common purpose.

- a. Explorer b. Network c. Computer d. Internet

36.From the examples of Cutting-edge technology artificial intelligence and

- a. AR b. VR
c. both (a) and (b) d. none of them

37.MFA requires at least ways of identifying yourself usually.

- a. two b. three c. four d. five

38..... protects creators and gives them ownership of their work.

- a. Copyright b. Plagiarism
c. Common Knowledge d. Digital piracy

39..... is often a fee-based service.

- a. Website browsing b. Cloud storage
c. Data saving d. Data breach

40.You can protect your data by creating

- a. strong password b. weak password
c. videos d. emails

41.To create a large title, you use the tag.

- a. H4 b. H6 c. H1 d. H3

42.The is an example of a general database credible and accurate.

- a. EKB b. smart phone c. social media d. network

43.Tag used to add paragraphs on a web page.

- a. <a> b. <h1 ></h1 >
c. <P></P> d. none of them

44..... is the protection of systems, networks, devices, and data from electronic attacks.

- a. Database b. Cybersecurity
c. Search engine d. Windows

45..... is a 3D virtual environment that allows users to explore and interact with their surroundings as if it were reality.

- a. Augmented Reality b. Virtual Reality
c. Future Technology d. AI

46. It helps people search websites based on keywords and key data

- a. Search engines
- b. database
- c. library indexes
- d. Excel

47. Electronic games shared by friends on the internet help promote

- a. Creative and critical thinking
- b. skills
- c. security risks
- d. none of them

48. Copyright includes

- a. visual
- b. audio
- c. written
- d. all of them

49. The PowerPoint program helps to create

- a. presentations
- b. system
- c. platform
- d. password

50. is the ability of the computer to think, learn and deduce.

- a. Artificial intelligence
- b. Augmented reality
- c. Virtual reality
- d. IOS

51. can take you to a world where insects and atoms are bigger than you, so that you can study them closely.

- a. Augmented reality
- b. Artificial intelligence
- c. Virtual reality
- d. all of them

52. are a collection of information which are typically stored in a computer system.

- a. Internet
- b. Search engines
- c. Databases
- d. Software

53. is an example of public database that covers various topics.

- a. Google
- b. Facebook
- c. Egyptian Knowledge Bank
- d. Word

54. helps people of determination.

- a. Printer
- b. Assistive technology
- c. Keyboard
- d. Scareware

55. Computer connect to internet using radio waves via

- a. Ethernet cable
- b. Wi-Fi
- c. CPU
- d. AI

56. The latest and most advanced version of a service or a product

- a. VR
- b. Cutting-edge technology
- c. AI
- d. AR

57..... is an open-source software use for building robots.

- a. Presentation b. ROS c. Word processing d. IOS

58..... is a software responsible for web pages browsing.

- a. Operating systems b. Browser c. Excel d. Word

59.Electronic games can affect the sleep cycle, that means danger.

- a. security b. physical c. psychological d. all of them

60..... means when your finger is scanned as a way to confirm your identity.

- a. Multi-factor authentication b. Full encryption
c. Fingerprint authentication d. Assistive technology

61.To experience virtual reality, users often wear

- a. 3D glasses b. VR headsets c. AR headsets d. AI

62.You can use mobile devices to scan and access related content.

- a. PIN codes b. QR codes c. podcasts d. password

63.One of the dangers of electronic games is because you may not be exercising.

- a. hacking b. gaining weight c. bullying d. selling

64.The Egyptian Knowledge Bank is an example of a public database

- a. unreliable b. biased c. reliable d. inaccurate

65..... is a term for computer applications that perform complex tasks that simulate the thinking and performance of the human element.

- a. AL b. IA c. AI d. LA

66.The abbreviation of Hyper Text Markup Language is

- a. HTML b. HTLM c. E-HTMM d. THML

67.If companies have been victims of data theft, they must tell their

- a. families b. customers c. relatives d. friends

68..... feel futuristic, but they are already being used in education and everyday life.

- a. Augmented reality b. Virtual reality
c. Artificial intelligence d. All of them

69..... are the most used word processing commands.

- a. Copying b. Pasting c. Cutting d. All of them

70..... protects creators and gives them ownership of their work.

- a. Copyright
- b. Plagiarism
- c. Common knowledge
- d. Digital piracy

71.The is an example of a general database which covers many subjects.

- a. Facebook
- b. Twitter
- c. EKB
- d. Instagram

72.Instructions to a computer are given in the form of a

- a. Word file
- b. code
- c. video

73..... is an operating system for Apple computers.

- a. Windows
- b. MacOS
- c. iOS

74.The tag is used to create a hyperlink in HTML.

- a. <a>
- b. <h>
- c. <L>

75.Strong passwords contain at least characters.

- a. 4
- b. 6
- c. 8

76.All of the following are operating systems, except

- a. Android
- b. Linux
- c. the CPU

77.Passwords that contain at least 8 characters are

- a. useless
- b. less secure
- c. more secure

78.You can use the shortcut to copy text or image in windows.

- a. "Ctrl + C"
- b. "Cmd + C"
- c. "Ctrl + X"

79..... is an open-source operating system for mobile devices.

- a. Android
- b. iOS
- c. macOS

80.To make the text bold in HTML, you can use the tag.

- a. <bold>
- b.
- c. <s>

81.Mr. Sawhney cofounded the platform to help people of determination.

- a. I-Access
- b. I-Stem
- c. I-Determination

82..... is a closed-source operating system for mobile devices.

- a. Android
- b. Apple iOS
- c. Windows

83.If the product is practical and meets customer needs, the user experience will be

- a. positive
- b. negative
- c. neutral

84..... is relatively easy to learn and runs on all browsers.

- a. PHP
- b. JavaScript
- c. HTML

*** (2) Put (√) or (X) :**

1. Electronic games help to promote critical and creative thinking. ()
2. PowerPoint is a programming language used to create web pages. ()
3. Facial recognition will scan your face using your device camera. ()
4. The HTML tag <h1> .. </h1> refers to the largest heading. ()
5. When searching the EKB results are credible and accurate. ()
6. A library catalog is a database which includes all the items owned by a library. ()
7. HTML is the standard programming language used to create web pages. ()
8. The Robot Operating System (ROS) is an open-source software. ()
9. Copyright includes only written material. ()
10. Smart gloves are a type of assistive technology. ()
11. is a tag use to write a bold text in the webpage. ()
12. Assistive technology helps people of determination to be included in the society. ()
13. Use a webcam to limit the dangers of electronic games. ()
14. Word is a Microsoft program that can help you share your work with your friends. ()
15. Operating system responsible only for managing hardware. ()
16. </h6> <h6> is the correct tag to add small sub heading to web page. ()
17. Artificial intelligence (AI) is the ability of the computer to think and learn. ()
18. (ROS) is an open-source software used for building robot applications. ()
19. Apple computer devices works on windows operating system. ()
20. Antivirus software must not be installed on your device. ()
21. Copyright law does not protect both print and digital content. ()
22. Malware is the greatest cyber security threat. ()
23. OneDrive can't help you share work with your friends. ()
24. Multi-factor authentication requires at least two methods of identification. ()
25. Copyright does not include visual materials. ()
26. In stock exchange, these stocks are called shares. ()
27. EKB is an example of a unreliable website and is a database. ()

28.Copy, paste and cut from digital editing tools.	()
29.Android is a closed source mobile operating system.	()
30.Wireless networks connect without wiring (wireless or Wi-Fi).	()
31.It is preferable that the password consist of numbers only.	()
32.Networks are groups of devices or things that are connected to each other for a common purpose.	()
33.Wired networks connect without wiring.	()
34.Android is an operating systems for Mobile devices.	()
35.When searching in any database, it is preferable to use keywords.	()
36.User experience doesn't describe how to use the product and interact with.	()
37.Virtual reality (VR) is a virtual 3-D environment.	()
38.HTML is commonly chosen to create web pages.	()
39.We use power-point to create a presentation.	()
40.Subheadings font size is smaller than the heading.	()
41.Search results will be credible and accurate on social media.	()
42.To protect your device away of risks, install anti-virus.	()
43.Artificial intelligence is the ability of a computer to think and learn.	()
44.Facial recognition and passwords as a way to protect digital devices.	()
45.Scareware is a type of malware that pretends to be a virus alert.	()
46.Fingerprint authentication scans your face using the device's camera.	()
47.Excessive playing of electronic games affects your ability to sleep.	()
48.HTML stands for Hypertext Markup Language and is used for creating web pages.	()
49.Using the same password for all online accounts is a good security practice.	()
50.Responsible gaming involves setting time limits and respecting others.	()
51.Scanning QR codes can provide access to additional content.	()
52.Sharing personal information online has no risk.	()
53.Copyright applies only to written material.	()
54.Augmented reality from the examples of Cutting-edge technology	()

55.Many mobile devices function by touch.	()
56.(AI) is a comprehensive term for computer applications that perform complex tasks that simulate the thinking and performance of the human element.	()
57.The tag ... is used to create paragraph	()
58.You can protect your devices from theft by setting simple password.	()
59.Futuristic technologies cannot improve the lives of people of determination.	()
60.Never accept limits that your parents set to prevent unhealthy gaming habits.	()
61.Electronic games, can strain your eyes.	()
62.EKB is an inaccurate source of information.	()
63.The shortcut used to paste a text or image is Ctrl + V.	()
64.You should not share personal information online.	()
65.You can use images of others without asking their permission.	()
66.It is important to protect smart devices to avoid hacking.	()
67.Smart gloves don't empower people of determination.	()
68.To protect your information, you must not use safe web browser.	()
69.We use antivirus protect our devices from viruses.	()
70.Checking the reliability of the sources lead to the spread of misinformation	()
71.It is not important to keep your security settings up to date.	()
72.Wireless networks connect devices with physical wiring and cables.	()
73.To make a text bold, you can use <bold> tag in HTML.	()
74.User experience is always positive	()
75.HTML is used for creating dynamic web pages.	()
76.Windows is an open-source software which can be edited by anyone.	()
77.Evaluating sources is a part of being a responsible digital citizen	()
78.It is important for companies to protect their data.	()
79.Microsoft Edge is the only safe web browser.	()
80.User experience describes how people use and evaluate a product.	()
81.If you are a victim of online bullying, talk to a trusted adult .	()

1.

1-

2-

3-

4-

5-

2.

1-

2-

3-

4-

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3.

1-

2-

3-

4-

4.

1-

2-

3-

4-

★ (4) Complete the following sentences with suitable words between brackets:**1. (<a> - static web pages - credible - cables)**

1. The tag is used to create a hyperlink in HTML.
2. EKB is a source of information.
3. Wired networks connect devices using
4. HTML is the best language used in designing which don't need to be updated frequently.

2. (JavaScript - Fingerprint authentication - digital citizen- cut)

1. Evaluating sources is an important part of being a responsible
2. is a type of authentication that uses your fingerprint to confirm your identity.
3. makes web pages interactive with dynamic content .
4. The. shortcut "Ctrl + X" is used to text in windows .

3. (QR codes - E-readers - Copyright - Databases)

1. protects creators and gives them ownership of their work.
2. are collections of information that are typically stored on a computer system.
3. You can use mobile devices to scan and access related content
4. look like tablets, but are mainly used for reading books.

4. (Microsoft Windows - hacking - antivirus – EKB)

1. We use protect our devices from viruses.
2. Opening unsafe links expose you to
3. The most popular operating system for computers worldwide is
4. is an example of a general database.

5. (digital citizen - malware - citations - cutting-edge)

1. Playing online games may expose you to
2. You should use to refer to others' work in your reports.
3. A uses the internet in a responsible and ethical way .
4. The newest and most advanced version of a service or product is called technology.

Model Answer

*(1) Choose the right answer:

1. A	15. B	29. C	43. C	57. B	71. C
2. A	16. B	30. B	44. B	58. B	72. B
3. B	17. B	31. A	45. B	59. C	73. B
4. D	18. A	32. A	46. A	60. C	74. A
5. C	19. A	33. B	47. A	61. B	75. C
6. A	20. C	34. C	48. D	62. B	76. C
7. D	21. C	35. B	49. A	63. B	77. C
8. B	22. A	36. C	50. A	64. C	78. A
9. D	23. B	37. A	51. C	65. C	79. A
10. B	24. C	38. A	52. C	66. A	80. B
11. B	25. C	39. B	53. C	67. B	81. B
12. C	26. C	40. A	54. B	68. D	82. B
13. D	27. B	41. C	55. B	69. D	83. A
14. A	28. C	42. A	56. B	70. A	84. C

*(2) Put (√) or (X) :

1. (√)	15. (X)	29. (X)	43. (√)	57. (√)	71. (X)
2. (X)	16. (√)	30. (√)	44. (√)	58. (X)	72. (X)
3. (√)	17. (√)	31. (X)	45. (√)	59. (√)	73. (X)
4. (√)	18. (√)	32. (√)	46. (X)	60. (X)	74. (X)
5. (√)	19. (X)	33. (X)	47. (√)	61. (√)	75. (X)
6. (√)	20. (X)	34. (√)	48. (√)	62. (X)	76. (√)
7. (√)	21. (X)	35. (√)	49. (X)	63. (√)	77. (√)
8. (√)	22. (√)	36. (X)	50. (√)	64. (√)	78. (√)
9. (X)	23. (√)	37. (√)	51. (√)	65. (X)	79. (X)
10. (√)	24. (√)	38. (√)	52. (X)	66. (√)	80. (√)
11. (√)	25. (X)	39. (√)	53. (X)	67. (X)	81. (√)
12. (√)	26. (√)	40. (√)	54. (√)	68. (X)	
13. (X)	27. (X)	41. (√)	55. (√)	69. (√)	
14. (X)	28. (√)	42. (√)	56. (√)	70. (X)	

*(3) Match:

1. 1. d	2. c	3. e	4. b	5. a
1. 1. c	2. e	3. b	4. d	5. a
1. 1. c	2. a	3. d	4. b	
1. 1. a	2. d	3. c	4. b	

(4) Complete the following sentences with suitable words between brackets:

1. 1. <a>	2. credible	3. cables	4. static web pages
2. 1. digital citizen	2. Fingerprint authentication	3. JavaScript	4. cut
3. 1. Copyright	2. Databases	3. QR codes	4. E-readers
4. 1. antivirus	2. hacking	3. Microsoft Windows	4. EKB
5. 1. malware	2. citations	3. digital citizen	4. cutting-edge

حمل الآن

مجاناً وحصرياً

المراجعة رقم (4)

الترم الاول



Theme 1 :Lesson 1 Computer Network

Computer Network:

are group of Computers that are connected to each other

Types of computer a network

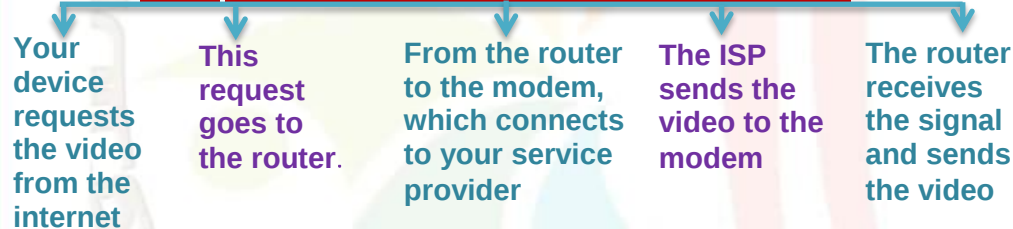
1- Wireless network

2- Wired network

Components of computer networks

Modem	used to convert the signal coming from your ISP into a digital signal.
Router	distributes the internet throughout the house, whether via cables or Wi-Fi
Switches	send data to a specific device over a network which helps to make connections easier and faster
Ports	Some devices connect to the Internet through special wires. These wires are inserted into holes that serve as ports
LAN	connected by a cable between computers is a type of wired network, such as a school's computer network

steps When you want to watch a video online



Artificial intelligence (AI):

- ▽ Performs complex tasks that simulate the thinking and performance of the human element.
- ▽ AI works to imitate sounds when provided with the tone of voice of an actual human being
- ▽ **Examples on AI :** 1. The ability to learn and replicate.
2. Writing an article on a specific topic. 3. Imitating voices.
4. Producing videos 5. Identifying network malfunctions

Theme 1 :Lesson 2 Future Technologies

How advanced technology helps us:

- 1-it makes our lives easier and more enjoyable
- 2- helps people with special needs with many of their daily tasks

EX: The visually impaired can use augmented reality to see shapes and colors and rely on artificial intelligence to assist them with their daily tasks

1



Meaning

USES

(Virtual-Reality) (VR)	Is a virtual 3d environment That allows users to explore and interact with the surroundings as if it were reality	• Visiting distant museums. • In video game, making you feel like you are flying areal plane or taking a virtual tour in space
(Augmented-Reality) (AR)	Combines the real world with virtual world by adding images using computers Can be done through a Smartphone camera or a tablet	Ex: Mobile games that place cartoon characters in the real places where you are
(Artificial-Intelligence) (AI)	It is when we make machines think and behave like humans. Machines can learn from information and help us with many tasks	• Unlock your phone using facial recognition . • Smartphone predicts • Robots that can manufacture things in factories..

Theme 1 :Lesson 3 Advanced technology for people of determination

Technology user experience: It is a description of how people use and interact with advanced technological devices

we must imagine how everyone will use it

- 1-One of the most important goals of assistive technology
- 2-Improve the independence of individuals and the lives of people with special needs

How to evaluate the product?

Useful and easy	Help in cleaning flours
desirable	Save time and effort
reachable	It can be used by the elderly or people who have difficulty moving.
It can be developed	It becomes smaller and can reach difficult places, or a camera can be added for remote guidance.

Features of the smart home robot

May be expenseve

canont deal with small objcts

It cannot clean hard corners or stairs.

Theme 1 :Lesson 4 Digital Research tools

2

what is a database? like a very large and organized library containing a lot of information

How do we search for information? When we want to search for information, we must choose the appropriate tool



Some different tools for digital research:

The EKB	Is a general database. It covers many subjects
Library catalog	It is a database that includes all the resources and items
Search engines	Help people to search the internet website based on the keywords
Data bases	Are collections of information which are typically stored in a computer system
contained in the library	Is a database which includes all the items owned by library

Keyboard shortcuts..

Copy:

make a copy of something, select it then press (ctrl+ c) together.

Cut:

move something from its location select it then press (ctrl+ x).

Paste:

place it in a new location by pressing (ctrl+ v)

Copy, cut, and paste are used commands in word processing programs

Theme 1 :Lesson 5How device operating

Operating Systems (OS):Is the software of manages computer's functions.

- ▽ It run computer's software and hardware.
- ▽ allows a user to communicate with the computer easily.

Comparison of operating system systems

Computer operating systems	Mobile operating systems
▽ Windows :The operating system used on Microsoft pcs	▽ Android : The most popular mobile operating system in the world
▽ macOS : The operating system used on apple pcs.	▽ iOS : The operating system used on apple mobile devices.

Open and closed source operating systems for mobile phones

(Closed Source)	(Open Source)
A system where the source code cannot be viewed or modified by anyone except the owing company EX: ios and windows	A system where anyone can view and modify its source code EX android.

Advanced operating systems: -the Robot Operating -driving cars.
-System (ROS) and the operating systems for self.

Theme 1 :Lesson 6: Iam a website designer



What is HTML?It's the standard programming language used to create webpage. (HyperText Markup Language)

The tag is :a word surrounded by a greater than greater mark, and most access to it has a beginning and an end

Some basic tags we use today

<html>	Is the main tag that marks the beginning and end of a web page.
<head>	Contains important information about the page but is not visible to the user, such as the page title in the browser bar.
<title>	Is used to place the page title that appears at the top of the browser.
<body>	Is the place where we place all the content that will appear on the page, like text and images.
<1> ... </h1h>	Write the largest title for the page between them.
<2> ... </h2h>	Write the subtitle between them.
<6> ... </h6h>	Write the smallest title for the page between them.
...	To create a paragraph of text.
 .. 	To make the text bold.
<i> ... </i>	To make the font italic.
	To add an image.

Let's write HTML code together:

- 1-Open the Note Pad program.
- 2-Writing HTML code
- 3-After writing the code, save the file with a name ending in html.
Example: first_page.html
- 4-Then open it using any internet browser, **such as Chrome or Firefox** -and you will see your first page.

Website planning to promote a product

1-The idea:

A smart watch that reacts to the user's mood and changes color

2-Website name:

"Magic Mood Watch"

3-Homepage

components using HTML

Homepage components using HTML

Large heading	<1h/> Discover your magic watch </1h>
Introductory paragraph	A brief description of the watch and its features
Product image	 You will place an advertising image for the watch.
Subheading	Why choose our watch
Additional paragraph:	A brief description of the watch and its features

Theme2 :Lesson 1 : The world of electronic games fun and safety systems work

Video games are games that are played on electronic devices. They are based on a virtual world, making them an integral part of our lives.

Risks of electronic games

Physical risks	- Sitting for long periods in incorrect posture cause back , neck pain. - Constantly focusing on a screen can lead to dry eyes. - Spending too much time gaming negatively impact your health
Security risks	- Some video games allow you to chat with other players, and sharing personal information, with a you don't know is risky. - Do not click on any links sent by strangers,
Psychological risks	- Some players may use inappropriate language or bully others.. - When gaming becomes more important than anything else, it can generate aggressive feelings, interfering with school, sleep.

Ways to Avoid the Risks of Video Games

To avoid physical risks	☐ Take regular breaks and look away from the screen. ☐ Engage in physical activity and sports.
To avoid psychological risks	☐ Set a specific time for playing and stick. ☐ Avoid using games as a means of escaping problems
To avoid social risks	☐ Do not share any personal information with anyone online.

Third: The role of the family in assistance

Participation and Dialogue:
Emphasize the importance of parents involving their

Setting clear rules:
Parents should set rules for
playtime and the type of games.

5

Theme2 :Lesson 2 : Protecting my digital data

First: How do I protect my data and privacy?

Strong password Fingerprint and facial recognition Multi-factor authentication Full encryption software

1-Strong password

Do not share your password with anyone Do not use the same password for all your accounts Lowercase letters, numbers, symbols not easy to guess eight or more characters

2-Fingerprint and facial recognition:

Some modern devices use fingerprint identification or facial recognition to verify that you are the person trying to log in.

These methods are more secure than a regular password

3-Multi-factor authentication

It requires at least two methods of identification.
(such as a password with a security code or a PIN)

4-Full encryption software:

These programs protect your data, ensuring that no one but you can access it using your password

Second: My personal responsibility to protect my devices

✓ Inform a parent or trusted adult.

✓ Report the data theft to the relevant authorities

Theme2 :Lesson 3 : Be a cyber security hero

cyber security:

It is to protect our devices and our personal information from any danger on the Internet, such as hackers or viruses.

Create your own safety precautions plan on internet

Step 1: Strong Password Step 2: Secure Sharing Step 3: How to Deal with Strangers Step 4: use antivirus software Step 5: Use secure internet browsers

Cyber security issues

Issue 1: Malware:

Ignore the message; do not click on the link because it might be a virus

The second issue: Identity theft:

Do not share your information

If you feel you've been a victim of cybercrime... what should you do?

- Remain calm and encourage your contacts to avoid the same risk.
- Run a full antivirus scan of your device.
- Update your security settings and change all passwords.

6

- Notify a trusted adult who may contact the relevant authorities or your service provider

Theme2 :Lesson 4: Electronic financial transaction



Intellectual property rights:

Protection is the protection of anything new and innovative you do, such as inventing a new game, writing a story, or painting a picture. This right makes you the sole owner of your work.

Copyright: It is a part of intellectual property rights, and it pertains to artistic and literary works such as songs, films, and books. In Egypt, it is protected by a special law to encourage creators to produce more

Creative Commons: Works whose creator has given permission to share.

Public Domain:

Works that have been in the possession of the creator for 50 years and are free to be used by anyone else

The concept of the stock market:

is a very large market for buying and selling shares in large companies

Shares: They are small portions of a company's ownership

electronic financial trading:

use special online applications to buy and sell stocks from anywhere.

How does online financial trading help you provide financial advice?

We provide you with an advisory robot that helps you in the stock market in the following ways:

It reads information extremely quickly	The robot can read thousands of news items about companies in seconds
Offers advice	After the robot reads all the information, it gives the adult a simple piece of advice
Assists in decision-making	The robot doesn't make decisions for the adult, but rather provides intelligent assistance to help them make a better decision

Theme2 :Lesson 5: Cloud computing

Cloud computing: It allows data and programs to be stored and accessed through online servers. You can store your photos, work, games, and files on it, access them from any other device with an internet connection anytime, anywhere, and share them with others.

Advantages and disadvantages of using cloud computing

Advantages

Never lose your files

Share easily

Ease of access

SAVE SPACE

Data protection

Disadvantages

Internet access required

Security risks

Additional costs

cloud computing service providers

OneDrive

A service owned by Microsoft, similar to Google Drive.

Dropbox

An application owned by Drop Box.

Google Drive:

One of the most popular providers, used for storing and accessing files from anywhere

Theme2 :Lesson 6: Cloud storage applications

Cloud storage applications

are used to store your data and access it from anywhere in the world

Microsoft 365:

It is considered one of the most important programs that deal with cloud computing, and it provides a group of applications such as:

Word – PowerPoint – Excel – Teams – OneDrive

Notice: The best way to store your files is to use both methods together.

Traditional storage:

It's faster, allowing you to access your files instantly, even without an internet connection

Cloud storage:

It's more secure, protecting your files from being lost if your device malfunctions

Cloud storage with OneDrive:

- ❖ is a cloud storage and sharing application that allows you to access your files from any device, provided it has an internet connection
- ❖ more secure and practical than traditional storage, which is used only for storage on your device

How to upload files and folders to One Drive

- ❖ **Step 1:** Open the One Drive app on your device or the website using an internet browser.
- ❖ **Step 2:** Look for the "Upload" or "Add" button at the top of the screen.
- ❖ **Step 3:** Select the file, tap the button, and then choose the file or folder you want to save to the cloud.
- ❖ **Step 4:** Wait: Your device will start uploading the file, and a small checkmark will appear to confirm that the file has been successfully saved to One Drive.



First test Put a mark (✓) in front of the correct statement and a mark(×) in front of the incorrect statement in the following:

1. Cut, copy, and paste are among the most commonly used commands in word processing programs (✓)
2. You can use keywords to search within the database. (✓)
3. If you want to take a copy of a text in a word processing program select it then press (ctrl + v) keys (✓)
4. The Egyptian Knowledge Bank (EKB) is an example of a “public database . (✓)
5. Specialized search engines help in searching for the required information. (✓)
6. You can use the Alexandria Library catalog through the library’s website. (✓)
7. Apple computers run only on Microsoft Windows (×)
8. Apple iOS is considered an “open source” operating system (×)
9. An operating system is a program that controls the functions of a compute (✓)
10. The robot's operating system is "closed source" software (×)
11. The operating system manages computer software and hardware (✓)
12. The most popular mobile operating system is Microsoft Windows (×)
13. HTML is the standard programming language used to create web pages (✓)
14. To write the largest title on a web page, we use the <h6></h6> tag (×)



15. Microsoft Windows is the standard programming language used to create web page

(X)

16. To make the text bold on a web page , we use the `<strong></strong>` tag

(✓)

16. When you save a web page file the extension should be txt

(X)

17. In a web page, to create a paragraph we use the `<font size="1">` tag .

(X)

18. Artificial intelligence performs complex tasks that mimic the human element in thinking and performance.

(✓)

19. It is possible to travel to an ancient archaeological site and go back thousands of years, using Bluetooth technology

(X)

20. Operating system is a program that controls computer functions.

(✓)

21. One of the most important goals of assistive technology is to improve someone's independence

(✓)

22. To repeat a phrase or sentence in a word processing file, select Copy and Paste Text.

(✓)

23. Anxiety and depression are among the physical risks of excessive video game playing

(X)

24. To reduce the risks of electronic games, personal information should be used in the user name.

(X)

25. Playing for long hours in front of a screen does not affect eye health

(X)

26. If you encounter risks in video games, should turn to your parents

(X)

27. Eye strain and back problems are considered safety risks of excessive video game playing

(✓)

28. Large online gaming communities are teeming with cyberbullies.

(✓)



29. Passwords that consist of at least eight letters, numbers, and one or more random symbols are the most secure

(✓)

30. It is my personal responsibility to ensure that my device is locked with a password

(✓)

31. Multi-factor authentication requires only one method to verify your identity

(X)

32. Full encryption protects your information so that only you can access

(✓)

33. Fingerprint authentication involves scanning your face using your camera

(X)

34. If your data has been compromised, you should tell one of your parents or a trusted adult.

(✓)

34. One of the precautions for online security is to use antivirus software

(✓)

35. Malware is one of the most dangerous cyber threats.

(✓)

35. One of the safety precautions on the Internet is communicating with people you do not know.

(X)

37. Scareware is known as a type of friendly software.

(X)

38. One of the online safety precautions is sharing your personal information online.

(X)

39. Cybersecurity is the protection of our devices and information from online threats

(✓)

40. The cut, copy, and paste commands are among the most frequently used commands in word processing programs

(✓)

41. Artificial intelligence applications perform complex and difficult tasks that mimic human capabilities.

(✓)



42. An operating system is a program that controls the functions of a computer.

(✓)

43. If you encounter risks in video games, you should turn to your parents

(✓)

44. The stock exchange is known as a knowledge bank in which members exchange their ideas.

(X)

45. Creative Commons” are works that the creator has given permission to share.

(✓)

46. Electronic financial trading provides investors with independence and easy-to-use alternatives.

(✓)

47. Egypt considers works to be public property if the author has been dead for at least 50 years.

(✓)

48. The Egyptian Stock Exchange provides citizens with the opportunity to invest in various sectors

(✓)

Choose the appropriate answer to complete each of the following statements:

1)..... performs complex tasks that mimic the human element in thinking and performance.

A- Artificial intelligence

B- Switches

C- Digital footprint

D- Wired networks

2) Types of wireless networks are connected by Calculator

A- Ports

B- Wi-Fi

C- Switches

D- Modems

3)..... is used to convert the signal received from the ISP into a digital signal.

B- Modem

B- Ports

C- Switches

D- Wi-Fi



4) Internet Service Provider (ISP) is known by the abbreviation.....

A- ISP

B- USB

C- GPS

D- GPR

5) The technology of helps to imitate sounds by providing them with the tone of the natural human voice

A- Artificial intelligence

B- Speakers

C- Bluetooth

D- Assistive technology

6) A local area network (LAN) connected by a cable between computers is considered a type of networks

A- Wired

B- Wireless

C- Wide range

D- Wi-F

7) Cables and wires in wired networks are connected to ports called.....

A- Ports

B- Wi-Fi

C- Switches

D- Modem

8) helps to send data to a specific device over the network easily and smoothly.

A- Switches

B- Ports

C- Mouse

D- Wi-Fi

9) uses as a three-dimensional environment that allows you to treat what you see and hear as if it were real. performance.

A- Virtual reality

B- Switches

C- Digital footprint

D- Assistive technology

10) technology is used to unlock the phone using the facial recognition system

A- Assistive technology

B- Artificial intelligence

C- Virtual reality

D- Switches



11) You can go to an ancient archaeological site and go back thousands of years, using technology.

- A- Virtual reality B- Modem C- Bluetooth D- Router

12) Technology of..... combines the real world and virtual reality.

- A- augmented reality B- Router
C- Bluetooth D- Digital footprint

13) technology helps in teaching in an interactive way and consolidating information

- A- Digital footprint B- Switches
C- Modem D- augmented reality

14) Headphones are worn to handle the technology of.....

- A- Virtual reality B- Digital footprint
C- the pirate D- Scanner

15) You can see atoms and insects larger than you usingtechnology.

- A- Virtual reality B- Switches C- Modem D- Router

16) improves the lives of people with disabilities.

- A- Assistive technology B- Old technology
C- Traditional technology D- Complex technology

17) technology is the latest and most advanced version of services and products..

- A- Advanced B- Old C- Past D- Traditional

18) The machine helps the visually impaired to read.system

- A- Scanning and reading B- Artificial leg
C- Printing D- Photography



19)technology has helped people with disabilities to enlarge the screen and audio, and convert speech to text and vice versa..

B- Traditional B- Assistive C- past D- the pirate

20) helped in the immediate interpretation of signs for deaf people..

A- Screen enlargement programs B- Bell ball
C- Artificial leg D- Smart gloves

21) From elements of good product evaluation.....

A- High cost B- Poor manufacturing
C- Ability to find a solution D- Manufacturing country

22) One of the most important goals of assistive technology is.....

A- Difficulty in use B- Improving someone's independence
C- Not useful to others D- Difficulty

23) Points to consider when buying a good product.....

A- Usability B- Difficulty in use
C- Manufacturing country D- Not needed

24) One of the goals oftechnology is to meet the needs of people with disabilities.

A- Assistive B- traditional C- Digital footprint D- the pirate

25) is a collection of information, usually stored in a computer system.

A- Paper books B- Databases
C- search engines D- Digital research tools

26) is a database that includes all the sources and item contained in the library..

A- Library catalogue B- Internet
C- Paint program D- search engine



27) The operating system is an open source software used to build robotic applications.

- A- Microsoft Windows
C- Android

- B- Robot Operating System - ROS
D- Apple iOS

28) Programmers use Hypertext Markup Language..... to create web pages

- A- Automative B- macOS C- HTML D- Apple iOS

29) is the standard programming language used to create web pages.

- A- Microsoft Windows B- Word C- Android D- HTML

30) The tag is used to create a paragraph

- A- <p> B- <h1> C- <i> D-

31) Some of the physical risks of video games are.....

- a- Bullying b- Back pain
c- Lack of sleep d- Information theft

32) Video games can cause some psychological risks such as

- a- Improved memory b- Neck pain
c- Weight gain d- Feelings of stress and isolation

33) What do you do if you receive a strange link from someone you don't know..... ?

- a- Click on it immediately b- Send it to your friends
c- Click on it to see what happens d- Ignore it and don't click on it

34) What is one security feature that makes a password stronger..... ?

- a- It must be just your name
b- It must be your date of birth
b- It must be short
d- It must be a combination of letters, numbers, and symbols



35) What should you do if you see someone bullying your friend online?

- A- Ignore it completely
- B- Tell a trusted adult.
- C- Bully them too
- D- Encourage the bully

36) from internet safety precautions.....

- A- Sharing your personal information online
- B- Use secure internet browsers
- B- Connect with people you don't know
- D- Use weak passwords

37) It is considered a fantasy world that can be used to visit distant museums.....

- A- Virtual reality
- B- Switches.
- C- Modem
- D- Router

38) is one of the languages used in creating web pages

- A- Microsoft Windows
- B- Word
- C- Android
- D- HTML

39)includes written, visual, audio, video, and internet materials

- A- Malware
- B- Electronic financial trading
- C- Copyright
- D- Programming languages

40) What does "share" mean in the stock market?

- A- A car down payment
- B- A sum of money received as a gift
- C- A small share of company ownership
- D- A type of video game.

كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

